

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Mr. Richard D. Bedell  
Manager, Louisiana Refining Division  
Marathon Petroleum Company LLC  
P. O. Box AC  
Garyville, Louisiana 70051

Agency Interest No. 3165  
Activity No.: PER20080016

RE: Part 70 permit modification, Sulfolane Unit Project, Garyville Major Expansion (GME),  
Louisiana Refining Division, Marathon Petroleum Company LLC, Garyville, St. John the  
Baptist Parish, Louisiana

Dear Mr. Bedell:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 27th of December, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and date of issue cited below and the Agency Interest Number and Activity Number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 3039-V4

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

SGQ  
US EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**I. BACKGROUND**

Marathon Petroleum Company (MPC) LLC, an existing petroleum facility began operation in and around September 1976. The Louisiana Refining Division currently operates under several Part 70 Permits No. 2891-V5 dated April 25, 2008; No. 2893-V6 dated October 19, 2007; No. 2887-V5 dated April 10, 2008; and No. 2640-V5 dated December 27, 2006; and several Prevention of Significance Deterioration Permits No. PSD-LA-548 dated March 16, 1989; PSD-LA-568(M-1) dated August 27, 1998; PSD-LA-640 dated October 21, 1999, and PSD-LA-719(M-1) dated May 28, 2008. MPC is in the process of expanding their operations (Garyville Major Expansion (GME) Project) which were approved under Part 70 Operating Permit No. 3039-V0 and Prevention of Significance Deterioration Permit No. PSD-LA-719. The facility is currently under construction as per the approved Part 70 Operating Permit No. 3039-V3 dated April 22, 2008 and PSD-LA-719(M-1) dated May 20, 2008.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated June 6, 2008 were received to modify the existing permit, which will include the Sulfolane Project at the facility. Additional information as of August 8, 2008, was also received.

**III. DESCRIPTION**

In order to help meet the energy needs of the nation, Marathon Petroleum Company (MPC) is expanding the existing full conversion petroleum refinery under Part 70 Permit No. 3039-V0 dated December 27, 2006. This project was named the Garyville Major Expansion (GME) Project and will increase the total capacity of the Louisiana Refining Division to 425,000 barrels per calendar day.

The refining operations typically involve the following four categories: storage, separation, conversion, and blending. MPC currently processes crude oil into unleaded, mid-grade, super unleaded, and reformulated gasoline; jet fuel/kerosene; low and high sulfur diesel and No. 6 fuel oil; isobutane; propane; propylene; asphalt; coke and sulfur. Processes used in the refining of the crude oil are atmospheric distillation, vacuum distillation, desalting, fluid catalytic cracking, hydrotreating, asphalt production, hydrogen fluoride (HF) alkylation, reforming, isomerization, hydrocracking, and coking.

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**GME Project:** The facility is under the process of constructing new equipment, process units and plants; Crude/Vacuum Distillation Unit, Saturates Gas Plant, Gas Oil Hydrocracker Unit, Naphtha Hydrotreater, Kerosene Hydrotreater, CCR Platformer (Reformer), Delayed Coker, Merox Unit, Coker Gas Plant (Unsaturates Gas Plant); Sulfur Block, Sulfur Recovery Units (SRUs), Raw Water Treatment Plant, Steam Plant, Cooling Water Towers, Flare System, Control Room, Pipe Racks, Tank Farm Piping and Blending Facilities, Loading Rack and Rail Facilities, and Tank Farm. The Marine Ship Dock Wastewater Treatment System and Storm Water Storage capacity will be expanded.

The facility is also in the process of modifying or revamping the existing units; Fluid Catalytic Cracking Unit, Main Fractionator and Gas Con Towers, Wet Gas Compressor, HF Alkylation Unit, Gas Oil Hydrotreater, Crude Unit, Light Straight Run Hydrotreater (LSR HT) and Penex Units, Potable Water Unit, and Tie-Ins to facilitate the GME Project.

Under the Prevention of Significant Deterioration (PSD) requirements, Permit No. PSD-LA-719(M-1) dated May 28, 2008, the facility is voluntarily installing Selective Catalytic Reduction (SCR) in addition to Ultra Low NO<sub>x</sub> Burners (ULNB) to reduce NO<sub>x</sub> emissions limit to 0.0125 lb/MM BTU on the following equipment: GME A and B Crude Heaters (Emission Points 1-08 and 2-08); GME A and B Vacuum Tower Heaters (Emission Points 3-08 and 4-08), and GME Coker Charge Heater (Emission Point 15-08). The SCR could have been rejected on the basis of economical infeasibility (\$10,000 to \$73,000 per ton NO<sub>x</sub> reduction based on heater size).

Other heaters will have ULNB with a limit of 0.03 lb/MM BTU w/o air preheat as BACT for NO<sub>x</sub> emissions and the boilers will have ULNB with Fuel Gas Recirculation (FGR) with a limit of 0.04 lb/MM BTU as BACT for NO<sub>x</sub> emissions.

Heaters and boilers fired with refinery fuel gas having a capacity (heat input) less than 100 MM BTU/hr will have good engineering practice (proper burner design and operation, efficient tuning of the burner fuel) and 0.04 lb/MM BTU emissions limit as BACT for CO and heaters and boilers having a capacity (heat input) greater than 100 MM BTU/hr will have good engineering practice (efficient tuning of the burner fuel input) and 0.02 lb/MM BTU emissions limit as BACT for CO; 0.0015 lb/MM BTU as BACT for VOC; similarly good engineering practice (burner design and fuel) and 0.0075 lb/MM BTU as BACT for PM<sub>10</sub>; and low sulfur refinery fuel gas (25 ppmv as H<sub>2</sub>S) as BACT for SO<sub>2</sub>.

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The Sulfur Recovery Unit will have Parallel, Multistage Claus trains and a tail gas treater (efficiency 99.9% or greater), TGTU Thermal Oxidizer (greater than 99.5% conversion efficiency checked by continuous emission monitors (CEM)), and a SO<sub>2</sub> limit of 93.41 ppm on a dry basis corrected to 0% excess air at the TGTU exhaust outlet. Proper operating work practices for sour water tank storage, recycling sulfur pit vent gas to the SRU, and excess SRU capacity is considered as BACT for SO<sub>2</sub>. A limit of 15 ppmv is considered as BACT for H<sub>2</sub>S prior to loading from the sulfur pit. This will be achieved by degassing of the liquid sulfur and routing the emissions from the sulfur pit back to the Acid Gas stream entering the SRU. For the Tail Gas Thermal Oxidizer the proposed fuel is the refinery fuel gas and pipeline natural gas. Optimized air-fuel ratio is considered as BACT for PM<sub>10</sub>, CO and VOC emissions. An emission limit of 0.20 lb/MM BTU is considered as BACT for NO<sub>x</sub>.

The facility is installing thirteen new large cylindrical tanks associated with the GME Project to store gasoline, crude oil, sweet kerosene, ultra low sulfur diesel, No. 6 fuel oil, etc. Some existing tanks will also be utilized to store additional products. If the new storage tanks are subject to NSPS and NESHAP requirements then that requirement will be considered as BACT. Existing tanks are already controlled under the federal or state requirements. Some tanks may not be controlled under BACT because of economical infeasibility as the VOC cost effectiveness will be from \$16,100 to \$104,700 per ton VOC reduction to modify the existing storage tank to a floating roof tank or using Thermal Oxidation as an add on control device.

The Heat Exchangers/Refinery Cooling Towers will have a monthly monitoring program which has been determined as BACT for VOC emissions. High efficiency drift eliminators have been determined as BACT for PM<sub>10</sub> emissions from the Refinery Cooling Towers along with a drift rate of 0.005 percent of the circulating water rate.

A Leak Detection and Repair (LDAR) program complying with both the First Revised Consent Decree and Louisiana Refinery MACT Determination of July 26, 1994 has been determined as BACT for fugitive emissions associated with the GME Project.

The PM<sub>10</sub> emissions from coke handling process may occur at conveyor transfer points, open piles, crane handling, the coke crusher, and the marine barge loading. Maintaining moisture content of 8-12% has been determined as BACT along with an enclosed conveyor and minimizing wind exposure (area enclosed by wall) at the coke pit.

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The proposed design of the Wastewater Treatment Plant with an equalization tank having an external floating roof, biotreatment and oil water separators along with the requirements of the NSPS and NESHAP regulations have been determined as BACT for VOC emissions.

Loading losses from the marine loading having a true vapor pressure greater than 0.5 psia shall be routed to the new Marine Vapor Combustor which has been determined as BACT for VOC emissions. The Marine Vapor Combustor and the GME Flare shall comply with the requirements of NSPS which has been determined as BACT for all the criteria pollutants from the marine loading operations.

The facility will utilize catalyst additive to lower FCCU Regenerator Vent NO<sub>x</sub> concentration to 40 ppm at 0% oxygen (annual average) which has been determined as BACT for NO<sub>x</sub> emissions. Full burn combustion has been determined as BACT for CO and VOC emissions. The FCCU consists of a Venturi Wet Scrubber to control SO<sub>2</sub> and PM<sub>10</sub> emissions. A concentration limit of 0.3 lb/1000 lb of coke burn has been determined as BACT for PM<sub>10</sub> emissions and a SO<sub>2</sub> concentration of 25 ppmv at 0% oxygen (annual average) has been determined as BACT for SO<sub>2</sub> emissions and as surrogate for H<sub>2</sub>SO<sub>4</sub> emissions. The FCCU Regenerator Vent is equipped with a SO<sub>2</sub> CEM as required under the First Revised Consent Decree – A NSR Global Settlement (Civil Action No. 01-CV-40119-PVG) between USA EPA and Marathon Ashland Petroleum date of entry November 17, 2005

In order to have operational flexibility mass emission rate control plans (CAPs) have been developed in accordance with LAC 33:III.925; GME Fugitive Cap, Emission Point GME FUG; GME Heater/Boiler Cap, Emission Point GME HBC; GME Thermal Oxidizer Cap, Emission Point GME TOC. All other affected equipment has been dealt under the Part 70 Operating permits; Permit Nos. 2891-V5, 2893-V7, 2887-V5, and 2640-V5 or related current permits.

In addition, the facility incorporated an enhanced air monitoring program at the facility as per the specific requirements of the above referenced permits to address citizen concerns. The program is to measure concentration at the four designated locations (A, B, C, and D) around the proposed GME area. The facility will monitor the concentration of PM<sub>2.5</sub>, SO<sub>2</sub>, H<sub>2</sub>S, Benzene, Toluene, Xylene (m, p, and o), and n-Hexane continuously; and Total VOCs, LTAPs, and Biphenyl weekly. The results shall be reported to the LDEQ quarterly within 45 days of the end of the previous calendar quarter.

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The facility removed the emission points associated with the Hydrogen Plant which was part of the GME Project. The removal was approved under Part 70 Permit No. 3039-V3 dated April 22, 2008.

The facility is now proposing to construct and operate a Sulfolane Unit to meet USEPA Mobile Source Air Toxics (MSAT) Phase 2 final rule requirements dated February 9, 2007. This rule will limit the benzene content of the gasoline produced to an annual average of 0.62 percent by volume.

**Sulfolane Unit:** The unit will remove and purify benzene in the Reformate from the two Platformer Units. Benzene is first concentrated in the Reformate Splitter Column and then extracted in the Sulfolane Unit using liquid-liquid extraction to recover high purity benzene product. The benzene product will be Cyclohexane Grade quality (minimum 99.9% pure) which is easily marketable. In order to obtain the required purity the process requires the installation of clay treaters and a benzene column to separate any remaining heavier aromatics. The benzene product will be stored and sampled in day tanks to check quality and ultimately shipped via barges. Barge loading emissions will be collected and routed to an existing Vapor Destruction Unit. The slop from the dock operations will be pumped to an existing ballast tank.

The sulfolane process uses Sulfolane (tetrahydrotiophene 1, 1-dioxide) as the extractive solvent. Sulfolane will be stored in a solvent inventory tank which will be designed to prevent freezing of the solvent. The wastewater generated by the Sulfolane Unit will be used in the Crude Unit Desalter as make-up water. The vapor stream generated at the Recovery Column Ejector of the Sulfolane Unit will be sent to the Reformate Splitter Reboiler Heaters which will mainly be fired by refinery fuel gas.

In order to achieve this goal, the facility will install the following new equipment under the Sulfolane Project: two reboiler heaters, two Benzene Day tanks, a Plant Inventory tank, a Slop tank, and associated piping and fugitive components.

The reboiler heaters will burn refinery fuel gas as fuel and will be equipped with Selective Catalytic Reduction (SCR) as add on control device to limit NO<sub>x</sub> emission at 0.0125 lb/MM BTU (annual average), the SO<sub>2</sub> emissions will be limited to an annual average of 0.0072 lb/MMBTU, CO emissions will be limited to an annual average 0.04 lb/MM BTU, and VOC emissions to an annual average of 0.0015 lb/MM BTU.

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Existing cooling towers capacity is adequate to accommodate the excess cooling due to the Sulfolane Project. The increase in wastewater flow rate due to the Sulfolane Project is expected to be approximately 11.45 gpm and can easily be handled by the current system.

The new tanks, Emission Points 3-09 thru 6-09, will be equipped with internal floating roofs with liquid mounted primary and rim mounted secondary seals to control VOC emissions.

The facility will revamp or increase utilization of the following existing equipment for the Sulfolane Project: Boilers (Emission Points 16-08, 1-74A/B, and 111-91), Cooling Towers (Emission Points 24-08 and 32-08), Wastewater Collection & Treatment System (Emission Point 30-08), Tanks (Emission Points 20-74 and 21-74) will experience change in tank service to benzene, Tanks (Emission Points 16-74 and 19-74) will be used for storing raffinate, Tanks (Emission Points 23-74, 32-74, 3-05, 36-08, 37-08, and 38-08) will experience emissions increase, Wastewater System (Emission Point 30-08), Marine and Barge Loading Operations (Emission Points 107-90 and 55-08), Startup/Shutdown emissions (Emission Point 20-08 SU/SD) which incorporates the Sulfolane Unit SU/SD emissions, and Fugitive Emissions Sources (Unit 12 and 212)

Estimated emissions increases from the Sulfolane Project (SULFP) including the startup/shutdown operation based on actual to potential and incremental (where no modification is done to the unit or equipment but the emissions are increasing due to the project) in tons per year is as follows:

<u>Pollutant</u>	<u>2006/7 Baseline Average Emissions (a)</u>	<u>Post SULFP Emissions (b)</u>	<u>Incremental Emissions (c)</u>	<u>Total Emissions</u>	<u>Change</u>
PM <sub>10</sub>	9.36	16.88	-	16.88	7.52
SO <sub>2</sub>	7.32	22.34	0.01	22.35	15.03
NO <sub>x</sub>	398.26	434.00	0.18	434.18	35.92
CO	95.59	140.92	0.01	140.93	45.34
VOC	7.31	31.33	14.29	45.62	38.31

Change = Total Emission Increase - 2006/7 Baseline Average Emissions, {(b + c) - a}

No further analysis or reviews are required as the overall emissions increase from the proposed modifications due to the Sulfolane Project is less than the PSD significance

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levels for all criteria pollutants and will not exceed the National Ambient Air Quality Standards (NAAQS) or Louisiana Toxic Ambient Air Standards (AAS).

Permitted emissions from the facility based on the current GME Project and including the Sulfolane Project in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	131.16	137.71	+ 6.55
SO <sub>2</sub>	372.55	378.85	+ 6.30
NO <sub>x</sub>	482.14	493.14	+ 11.00
CO	354.83	389.99	+ 35.16
VOC	382.38	402.15	+ 19.77
Other	34.51	34.48	- 0.03

**VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs)**

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,4-Dichlorobenzene	<0.01	<0.01	-
2,2,4-Trimethylpentane	3.59	3.61	+ 0.02
Benzene	1.18	14.04	+ 12.86
Cumene	<0.01	0.07	+ 0.07
Ethyl benzene	2.07	2.38	+ 0.31
Formaldehyde	0.26	0.21	- 0.05
Methanol	1.60	-	- 1.60
Naphthalene	<0.01	0.07	+ 0.07
Styrene	<0.01	<0.01	-
n-Hexane	3.48	3.91	+ 0.43
Polynuclear aromatic hydrocarbons	<0.01	<0.01	-
Toluene	5.51	7.26	+ 1.75
Xylenes	7.30	8.82	+ 1.52
<b>Total</b>	<b>24.99</b>	<b>40.37</b>	<b>+ 15.38</b>

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**Non VOC Toxic Air Pollutants (TAPs)**

Ammonia	31.19	35.80	+ 4.61
Arsenic (and compounds)	<0.01	<0.01	-
Barium (and compounds)	<0.01	<0.01	-
Beryllium	<0.01	<0.01	-
Cadmium (and compounds)	<0.01	<0.01	-
Chromium VI (and compounds)	<0.01	<0.01	-
Cobalt compounds	<0.01	<0.01	-
Copper (and compounds)	0.03	<0.01	- 0.03
Hydrochloric acid	0.27	0.27	-
Hydrogen sulfide	2.55	2.55	-
Lead compounds	<0.01	<0.01	-
Manganese (and compounds)	<0.01	<0.01	-
Mercury (and compounds)	<0.01	<0.01	-
Nickel (and compounds)	<0.01	<0.01	-
Selenium (and compounds)	<0.01	<0.01	-
Tetrachloroethylene	0.47	0.47	-
Zinc (and compounds)	<0.01	<0.01	-
<b>Total</b>	<b>34.51</b>	<b>39.09</b>	<b>+ 4.58</b>

**Other VOC (TPY):** 361.78

**V. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply. Also based on the Consent Decree – A NSR Global Settlement (Civil No. 01-40119) between USA EPA and Marathon Ashland Petroleum date of entry August 28, 2001 and the First Revised Consent Decree – A NSR Global Settlement (Civil Action

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No. 01-CV-40119-PVG) between USA EPA and Marathon Ashland Petroleum date of entry November 17, 2005.

This facility is part of a major source of toxic air pollutants. The Air Toxic Compliance Plan No. 92050 was approved April 13, 1995 and has been incorporated in this permit.

The facility is classified under "Petroleum Refineries" for which there are established standards in New Source Performance Standards (NSPS), 40 CFR 60, Subpart J – Petroleum Refineries. Marathon Petroleum Company LLC is also subject to NSPS, Subpart GGG – Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR 60, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater System; National Emission Standards for Hazardous Air Pollutants, NESHAP, 40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries; NESHAP, 40 CFR 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units; and NESHAP, 40 CFR 61, Subpart FF – National Emission Standard for Benzene Waste Operations. The refinery as a whole is a major source of toxic air pollutants and must comply with all applicable provisions of LAC 33:III Chapter 51 – Comprehensive Toxics Air Pollutant Emission Control Program. MPC is also subject to all the applicable provisions of Louisiana Refinery MACT Determination dated July 26, 1994.

**V. CREDIBLE EVIDENCE**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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**VI. PUBLIC NOTICE**

A notice requesting comments on the permit for the increase in minimum emission rate of toxic air pollutants was published in The Advocate, Baton Rouge, Louisiana, and The St. Charles-Herald-Guide, St. Charles Parish, Louisiana, on August \*\*, 2008, and the mail out was done on August \*\*, 2008. All comments will be considered before an action is taken on this proposed permit.

**VII. EFFECTS ON AMBIENT AIR**

The facility shall comply with ambient air standard requirements of Louisiana Toxic Air Pollutants (LTAP) for the following compounds: 1,1,2,2-Tetrachloroethane, 1-3,Butadiene, Ammonia, Arsenic, Barium, Benzene, Biphenyl, Cadmium, Chromium, Copper, Ethylbenzene, Formaldehyde, Hydrochloride, Hydrogen Sulfide, Mercury, Methanol, Naphthalene, n-Hexane, Nickel, Sulfuric Acid, Tetrachloroethylene, Toluene, Xylenes, and Zinc.

The Sulfolane Unit Project will increase emissions of Ammonia and Benzene over their respective minimum emission rate (MER). A dispersion modeling was conducted for Ammonia and Benzene in accordance with LAC 33:III.5111.B.5 based on the Air Quality Assessment Division – *Air Quality Modeling Procedures* (LDEQ, 2006) and EPA's *Guideline on Air Quality Models* (EPA 2005).

Initial refined modeling results demonstrated compliance with the Ambient Air Standards (AAS) for Ammonia. Additional refined modeling was conducted for Benzene and the results demonstrated compliance.

Dispersion Model(s) Used: ISCST3 Version 02035

Pollutant	Time Period	Adjusted Pollutant Concentration*	Louisiana Air Quality Standard (AAS)
Ammonia	8-Hour	106.90 u/m3	640 u/m3
Benzene	Annual	11.14	12

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**VIII. GENERAL CONDITION XVII ACTIVITIES**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
<b>GME</b>						
Sampling Activities	34 times/day					0.80
Replacement of C Canisters	One/month				-	0.12
Fire Training Emissions (Fluid Fuel Burning)	25 times/yr	0.10	1.57	0.55	0.05	0.01
Fire Training Emissions (Propane Burning)	25 times/yr	0.01	0.20	0.38	0.06	0.01
Equipment Cleaning Pad	One/day				-	0.07
Knock Out Drum Drainage	One/wk				-	0.13
Equipment Filters Replacement	One/month				-	0.29
Emissions from De-Coking Operations of Heaters	One/yr	<0.01	0.07	<0.01	<0.01	<0.01
MDEA Reclaiming	One/Yr					0.1
Catalyst Unloading	3/month	0.02			-	-
Catalyst Truck Loading	34-36 trucks/yr	0.05			-	-
Tank Gauging	One/day				-	0.14
Catalyst Changeouts - Coker Unit	Once/2-5 yrs	<0.01			-	-
Changing Filters-Coker Unit	18 events/yr					0.24
Equipment Cleaning-Coker Unit	3000 events/yr					0.92
Pipe Cleaning-Coker Unit	Twice/5 yrs					0.03
Strainer Cleaning-Coker Unit	416 events/yr				-	1.92
Compressor Maintenance-Coker Unit	Once/5 yrs					<0.01
Filter Replacement-Coker Unit	8 events/yr					0.02
Knock Out Drum Drainage-Coker Unit	Once/wk					0.03
Instrument Maintenance-Coker Unit	30 events/yr					0.03

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Miscellaneous Equipment Preparation-Coker Unit	5 events/yr					0.54
Pipe Cleaning with Nitrogen-Coker Unit	Twice/5 yrs					<0.01
Opening Offline Vessels-Coker Unit	6 events/yr					1.28
Pump Maintenance-Coker Unit	10 events/yr					0.03
Solids Removal from Sumps-Coker Unit	Twice/5 yrs					<0.01
Valve Maintenance-Coker Unit	10 events/yr					<0.01
WWTP – Knockout Drum Drainage	One/wk					<0.01
<b>SULFOLANE UNIT</b>						
Sampling Activities	72 events/day					0.38
Replacement of Carbon Canisters	4 events/6 months					<0.01
De-Coking of Reboilers	1 event/yr	<0.001	<0.001	<0.001	<0.001	<0.001
Changing Filters	18 events/yr					0.29
Equipment Cleaning	1500 events/yr					0.55
Pipe Cleaning	Twice/5 yrs					0.01
Clay Treater Replacement	Twice/yr	<0.01				<0.01
Instrument Maintenance	60 events/yr					0.07
Miscellaneous Equipment Preparation	2 events/yr					0.26
Pipe Clearing with Nitrogen	Twice/5 yrs					<0.01
Opening Off-Line Vessels	4 events/4 yrs					0.05
Pump Maintenance	10 events/yr					0.04
Solids Removal from OWS Sump	4 events/5 yr					<0.01
Valve Maintenance	10 events/yr					0.01

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AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Startup/Shutdown	2 events/yr	<0.01		<0.01	<0.01	0.20
<b>TANKS</b>						
Sumps Filter Replacement	4events/6 months					<0.01
Tank Gauging	5 events/month					0.02

#### IX. INSIGNIFICANT ACTIVITIES

ID No.: Description	Citation
<b>GME</b>	
- Empty Drum Washing (Chemical and Lube Oil)	LAC 33:III.501.B.5.A.7
- Lube Oil Drums (55 gal)	LAC 33:III.501.B.5.A.2
- Mobil Arctic Turbine Oil (10,000 gal)	LAC 33:III.501.B.5.A.2
- Merox Vent Catalyst, UOP Liquid Catalyst (10 gal)	LAC 33:III.501.B.5.A.4
- Chem Tank 108 (150 gal)	LAC 33:III.501.B.5.A.2
- DREW GARD 189C Inhibitor/Dispersant Treatment Tank (4,000 gal)	LAC 33:III.501.B.5.A.3
- DIOLTECH 424A Supplemental Dispersant/Antifoulant Tank (3,750 gal)	LAC 33:III.501.B.5.A.3
- BIOSPERSE 254 Tank	LAC 33:III.501.B.5.A.3
- DREWPLUS L 718 Antifoam Tank	LAC 33:III.501.B.5.A.3
- DREWSPERSE 739 Leak Dispersant/Antifoulant Tank	LAC 33:III.501.B.5.A.3
- PERFORMAX 406 Iron Contamination Dispersant Tank	LAC 33:III.501.B.5.A.3
- Chem 500 Tank (200 gal)	LAC 33:III.501.B.5.A.2
- Chem 108 Tank (3,400 gal each)	LAC 33:III.501.B.5.A.3
- MDEA Storage Tank	LAC 33:III.501.B.5.A.3

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**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

ID No.:	Description	Citation
-	MDEA Sump	LAC 33:III.501.B.5.A.3
-	DREWCOR 2130 Neutralizing Amine Tank (500 gal)	LAC 33:III.501.B.5.A.3
-	Glycol Reservoir Tank (2,400 gal)	LAC 33:III.501.B.5.A.3
-	Chem 108 Tank (400 gal)	LAC 33:III.501.B.5.A.3
-	Filming Amine Mix Tank (MEA)	LAC 33:III.501.B.5.A.3
-	Perchloroethane, N2 Blanket Tank (1,000 gal)	LAC 33:III.501.B.5.A.3
-	AMERSITE 2 Oxygen Scavenger Tank (1,900 gal)	LAC 33:III.501.B.5.A.3
-	ADVANTAGE PLUS 1400 Tank (1,900 gal)	LAC 33:III.501.B.5.A.3
-	DREWCOR 2130 Neutralizing Amine with Mekor Tank (1,000 gal)	LAC 33:III.501.B.5.A.3
-	AMERCOR 1848 FDA Approved Neutralizing Film Tank (1,000 gal)	LAC 33:III.501.B.5.A.2
-	AMERCOR 8703 Filming Amine Tank (1,000 gal)	LAC 33:III.501.B.5.A.2
-	STEAMFILM FG Food Grade Filming Amine Tank (1,900 gal)	LAC 33:III.501.B.5.A.2
-	Four Ammonia Storage Tanks (Pressurized)	LAC 33:III.501.B.5.A.3
-	Used Oil Tanks	LAC 33:III.501.B.5.A.3
-	Caustic Tank (1,000 gal)	LAC 33:III.501.B.5.A.4
-	Sulfuric acid Tanks (5,900 and 5,000 gals)	LAC 33:III.501.B.5.A.4
-	DREW GARD 315 Inhibitor Drums (55 gal)	LAC 33:III.501.B.5.A.3
-	FC-600 Light Water Band ATC/AFFF Drums (55 gal)	LAC 33:III.501.B.5.A.3
-	Chem. 6000 (300 gal)	LAC 33:III.501.B.5.A.3
-	Caustic Level Intermediate Makeup Tank	LAC 33:III.501.B.5.A.4
-	Recycle Caustic Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	Spent Caustic Tanks (4)	LAC 33:III.501.B.5.A.4
-	25BE Caustic Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	50% Caustic Tank (15,000 gal)	LAC 33:III.501.B.5.A.4
-	Acid Sump (Soda Ash is added to control pH)	LAC 33:III.501.B.5.A.4

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ID No.:	Description	Citation
-	Sulfite Mix Tank	LAC 33:III.501.B.5.A.4
-	Plant Mix Tank	LAC 33:III.501.B.5.A.4
-	10 Baume Caustic Tank	LAC 33:III.501.B.5.A.4
-	50 Baume Caustic Feed Tank (400 gal)	LAC 33:III.501.B.5.A.4
-	50 Baume Caustic Drum Tank (55 gal)	LAC 33:III.501.B.5.A.4
-	40% Lime Storage Tank (38,000 gal)	LAC 33:III.501.B.5.A.4
-	25% Lime Storage Tank (2,200 gal)	LAC 33:III.501.B.5.A.4
-	Monoethanolamine Tank (4,000 gal)	LAC 33:III.501.B.5.A.3
-	MDEA Sump	LAC 33:III.501.B.5.A.3
-	MEA Sump	LAC 33:III.501.B.5.A.3
-	Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6
-	Drum Washing Operations	LAC 33:III.501.B.5.A.7
-	Analyzer Vents	LAC 33:III.501.B.5.A.9
-	MDEA Storage Tank	LAC 33:III.501.B.5.A.3
-	Liquid Chlorine Tank (55 gal)	LAC 33:III.501.B.5.A.4
-	MEKOR 6701 Oxygen Scavenger/Inhibitor (50 gal)	LAC 33:III.501.B.5.A.3
-	DREWFLOC 2420 Polymer (55 gal)	LAC 33:III.501.B.5.A.3
-	DREWPLUS L 718 Antifoam (50 gal)	LAC 33:III.501.B.5.A.3
-	1115 LP Polymer Mix Day Tanks (2,300 gal)	LAC 33:III.501.B.5.A.3
-	Emulsifier/Degreaser Tank (300 gal)	LAC 33:III.501.B.5.A.3
-	93% Sulfuric Acid Tank (2,000 gal)	LAC 33:III.501.B.5.A.3
-	Cleaning Liquid Storage Tank (2)	LAC 33:III.501.B.5.A.3
-	Calcium Chloride Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	HF Storage Vessel (Closed system)	LAC 33:III.501.B.5.A.4
-	HF Acid Sump	LAC 33:III.501.B.5.A.4
-	LPG and Other Chemical Spheres (Pressurized)	LAC 33:III.501.B.5.A.3
-	LAB: Calibration Vents and Analyzer Vents	LAC 33:III.501.B.5.A.9

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ID No.:	Description	Citation
-	Sample Boil Away	LAC 33:III.501.B.5.A.6
-	Fire Water Pump Diesel Tank (300 gal)	LAC 33:III.501.B.5.A.3
-	Gas Fired Heater to Dry Refractory (<1 MM BTU/hr)	LAC 33:III.501.B.5.A.5
-	Emergency Generator Diesel Tanks (2, 6,000 gal)	LAC 33:III.501.B.5.A.3
-	UST Diesel (6,000 gal)	LAC 33:III.501.B.5.A.3
-	Diesel Storage Tank (612 gal)	LAC 33:III.501.B.5.A.3
-	Coker Quench Water Tank	LAC 33:III.501.B.5.A.3
-	Diesel Tank (3,000 gal)	LAC 33:III.501.B.5.A.3
<b>SULFOLANE UNIT</b>		
	Lube Oil Drums (55 gal)	LAC 33:III501.B.5.A.2
	Sulfolane Totes (400 gal each)	LAC 33:III501.B.5.A.3
	MEA Totes (400 gal) and Drums	LAC 33:III501.B.5.A.3
	DREWPLUAL 718 Antifoam Tanks (400 gal each)	LAC 33:III501.B.5.A.3
	Gas Fired Heater (< 1 MM BTU/hr)	LAC 33:III501.B.5.A.5
	Chemical/Lube Oil Empty Drums Washing	LAC 33:III501.B.5.A.7
	Analyzer Maintenance	LAC 33:III501.B.5.A.9
<b>LABORATORY</b>		
	Chemical/Lube Oil Empty Drums Washing	LAC 33:III501.B.5.A.7
	Miscellaneous Chemical Storage Tanks (55 gal each)	LAC 33:III501.B.5.A.9
	Laboratory Hood Losses	LAC 33:III501.B.5.A.6

## STATE ONLY SPECIFIC CONDITIONS

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AGENCY INTEREST NO. 3165  
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GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The permit is issued under the following conditions:

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one of the applicable fugitive emissions programs.
  - a. Streamlined program shall be applicable to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size or component available in any of the programs being streamlined.
  - b. Leak definitions and monitoring frequency shall be used based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall define as once every four quarters. Some allowance may be made in the first year on the streamlined program in order to allow for transition from existing monitoring schedules.
  - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods from January 1 through June 30, and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Coker Unit and Fugitives Units 205, 205A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Crude Vacuum Unit Fugitives Unit 210	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT

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<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Naphtha Hydrotreater Fugitives Unit 211	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Platforming Unit Fugitives Unit 212	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Platforming Unit (Perchloroethylene) Fugitives Unit 212A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Kerosene Hydrotreater Fugitives Unit 214	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Hydrocracker Fugitives Unit 215	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Sulfur Plant No. 1 Fugitives Unit 220	LAC 33:III.Chapter 51	5% VOTAP	LAC 33:III.Chapter 51
GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives Unit 221	NSPS Subpart GGG LAC 33:III.Chapter 51	10% VOC 5% VOTAP	NSPS Subpart GGG
GME Saturates Gas Plant Fugitives Unit 222	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Sat Propane Merox Unit Fugitives Unit 222A	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Sat Butane Merox Unit Fugitives Unit 222B	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG

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<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives Unit 232	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Sour Water Stripper Unit Fugitives – Coker Unit 233	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Sulfur Recovery Plant No. 2 Fugitives Unit 234	LAC 33:III.Chapter 51	5% VOTAP	LAC 33:III.Chapter 51
GME Intermediate Product Fugitives Unit 241	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Fuel Gas System Fugitives Unit 243	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Amine Regenerator Unit Fugitives Unit 247	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Marine Dock No. 4 Fugitives Unit 250	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Marine Vapor Combustor Fugitives Unit 250A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Flare Knock Out Drum Fugitives Unit 259	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME WWTP Fugitives Unit 260	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Intercom Pipeway Fugitives Unit 263	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT

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<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Truck Loading Rack Fugitives Unit 265	LAC 33:III.2121	10% VOC	LAC 33:III.2121
GME Blending Facilities Fugitives Unit 267	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Marine Dock No. 3 Fugitives Unit 271	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
Sulfolane Unit Fugitives Unit 257	NSPS Subpart GGGa LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC NESHAP Subpart V NESHAP Subpart H	10% VOC 10% VOC 5% VOTAP 5% VOHAP 10% HAP 10% HAP	NESHAP (HON) Subpart H

- Permittee shall measure the concentrations at the four designated monitoring locations (A, B, C, and D) around the proposed GME area. The concentrations will be monitored for PM<sub>2.5</sub>, SO<sub>2</sub>, H<sub>2</sub>S, Benzene, Toluene, Xylene (m, p, and o), and n-Hexane continuously; and Total VOCs, LTAPs, and Biphenyl weekly. The results shall be reported to the Office of Compliance, Surveillance Division, within 45 days of the end of previous calendar quarter.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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 MARATHON PETROLEUM COMPANY LLC  
 GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

## X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56
UNF002	GME Facility	1	1	1	1	1									1	1	1	1
EQT185	1-08, GME A Crude Heater		1	1	1	1												2
EQT186	2-08, GME B Crude Heater			1	1	1												2
EQT187	3-08, GME A Vacuum Tower Heater				1	1	1											2
EQT188	4-08, GME B Vacuum Tower Heater					1	1	1										2
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater						1	1	1									2
EQT190	6-08, Naphtha Hydrotreater Stripper Reboiler Heater						1	1	1									2
EQT191	7A-08, GME Platformer Cell Heater No. 1							1	1	1								2
EQT192	7B-08, GME Platformer Cell Heater No. 2								1	1	1							2
EQT193	7C-08, GME Platformer Heater Cell No. 3								1	1	1							2
EQT195	9-08, GME KHT Reactor Charge Heater								1	1	1							2
EQT196	10-08, GME KHT Stripper Reboiler Heater									1	1	1						2
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater									1	1	1						2
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater										1	1	1					2
EQT199	13-08, GME HCU Fractionator Heater										1	1	1					2

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56	59
EQT201	15-08, GME Coker Charge Heater			1	1	1							2				1		
EQT202	16-08, GME Boiler No. 1			1	1	1											2		
EQT204	18-08, GME Thermal Oxidizer No. 1			1	1	1										1			
EQT205	19-08, GME Thermal Oxidizer No. 2			1	1	1										1			
EQT206	20-08, GME Flare			1	1	1							1			1			
EQT207	20-08 SU/SD, GME Flare			1	1	1							1			1			
EQT208	21-08, GME Emergency Generator (Dock)			1	1	1											1		
EQT209	22-08, GME Emergency Generator (Tank Farm)			1	1	1												1	
EQT210	23-08, GME Platformer Regenerator Vent																		
EQT211	24-08, GME Cooling Tower No. 1																		
EQT212	31-08, GME Coke Stockpile												1						
EQT213	32-08, GME Cooling Tower No. 2																		
EQT214	33A-08, GME A Coker Drum Vent														1				
EQT215	33B-08, GME B Coker Drum Vent														1				
EQT247	1-07, Gasoline Tank														1				
EQT248	2-07, Gasoline Tank														1				
EQT250	1-09, U212 Splitter Reboiler Heater (257-1401)																2		

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33.III.Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56	59
EQT251	2-09, U212 Splitter Reboiler Heater (257-1402)			1	1	1													
EQT252	3-09, Plant Inventory Tank (257-1902)																	2	
EQT253	4-09, Benzene Day Tank (257-1903)																		1
EQT254	5-09, Benzene Day Tank (257-1904)																		1
EQT255	6-09, Slop Tank (257-1905)																		1
FUG053	Unit 205 Fug., GME Delayed Coker Unit Fugitives																		1
FUG054	Unit 205A Fug., GME Coker Gas Plant Fugitives																		1
FUG055	Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives																		1
FUG056	Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives																		1
FUG057	Unit 212 Fug., GME CCR Platformer Unit Fugitives																		1
FUG058	Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives																		1
FUG059	Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives																		1
FUG060	Unit 215 Fug., GME Hydrocracker Fugitives																		1
FUG061	Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives																		1

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III, Chapter																
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56
FUG062	Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives								1									
FUG063	Unit 222 Fug., GME Saturates Gas Plant Fugitives								1									
FUG064	Unit 222A Fug., GME Sat Propane Merox Unit Fugitives								1									1
FUG065	Unit 222B Fug., GME Sat Butane Merox Unit Fugitives								1									
FUG066	Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives								1									
FUG067	Unit 233 Fug., GME Sour Water Stripper Unit Fugitives								1									
FUG068	Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives																	1
FUG069	Unit 241 Fug., GME Intermediate Product Unit Fugitives									1								1
FUG070	Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives									1								
FUG071	Unit 247 Fug., GME Amine Regeneration Unit Fugitives									1								
FUG072	GME Marine Loading Dock No. 4 Unit Fugitives										1							1
FUG073	Unit 250A Fug., GME Marine Vapor Combustor Fugitives										1							1

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:II Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56	59
FUG074	Unit 259 Fug., GME Flare System Fugitives												1	1			1		
FUG075	Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives												1	1					
FUG076	Unit 263 Fug., GME Interconnecting Pipeway Fugitives												1	1					
FUG077	Unit 265 Fug., GME Truck Rack Fugitives												1	1					
FUG078	Unit 267 Fug., GME Blending Facilities Fugitives												1	1					
FUG079	Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives												1	1			1		
FUG088	Unit 257 Fug., Sulfolane Unit Fugitives												1	1			1		

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION

AGENCY INTEREST NO. 3165

MARATHON PETROLEUM COMPANY LLC

GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29*	51*	52	56	59
<b>KEY TO MATRIX</b>																			
1	- The regulations have applicable requirements which apply to this particular emission source.																		
	- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																		
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																		
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																		
	Blank - The regulations clearly do not apply to this type of emission source.																		

- \* The regulations indicated above are State Only regulations.
- ▲ All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
 AGENCY INTEREST NO. 3165  
 MARATHON PETROLEUM COMPANY LLC  
 GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

## X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR												
		A	Db	3Gs	3Qs	J	Kb	A	M	V	FF	A	F	G	CC	Q	3U	H	S2	S4	S6	S8	S2
UNF002	GME Facility	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
EQT185	1-08, GME A Crude Heater																						
EQT186	2-08, GME B Crude Heater																						
EQT187	3-08, GME A Vacuum Tower Heater																						
EQT188	4-08, GME B Vacuum Tower Heater																						
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater																						
EQT190	6-08, Naphtha Hydrotreater Stripper Reboiler Heater																						
EQT191	7A-08, GME Platformer Cell Heater No. 1																						
EQT192	7B-08, GME Platformer Cell Heater No. 2																						
EQT193	7C-08, GME Platformer Heater Cell No. 3																						
EQT195	9-08, GME KHT Reactor Charge Heater																						
EQT196	10-08, GME KHT Stripper Reboiler Heater																						
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater																						
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater																						
EQT199	13-08, GME HCU Fractionator Heater																						
EQT201	15-08, GME Coker Charge Heater																						
EQT202	16-08, GME Boiler No. 1																						

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
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**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	D <sub>b</sub>	3Gs	3Qs	J	K <sub>b</sub>	A	M	V	FF	A	F	G	CC	Q	3U	H	52	64	68	82
EQT204	18-08, GME Thermal Oxidizer No. 1					1												1	1	1	1	
EQT205	19-08, GME Thermal Oxidizer No. 2						1											1	1	1	1	
EQT206	20-08, GME Flare						1															
EQT207	20-08 SU/SD, GME Flare							1														
EQT208	21-08, GME Emergency Generator (Dock)																	1	1	1	1	
EQT209	22-08, GME Emergency Generator (Tank Farm)																	1	1	1	1	
EQT210	23-08, GME Platformer Regenerator Vent																	1	1	1	1	
EQT211	24-08, GME Cooling Tower No. 1																	1	1	1	1	
EQT212	31-08, GME Coke Stockpile																		1	1	1	1
EQT213	32-08, GME Cooling Tower No. 2																	1	1	1	1	
EQT214	33A-08, GME A Coker Drum Vent																					
EQT215	33B-08, GME B Coker Drum Vent																					
EQT247	1-07, Gasoline Storage Tank																					
EQT248	2-07, Gasoline Storage Tank																					
EQT250	1-09, U212 Splitter Reboiler Heater (257-1401)																	Ja applies				
EQT251	2-09, U212 Splitter Reboiler Heater (257-1402)																	Ja applies				
EQT252	3-09, Plant Inventory Tank (257-1902)																		1	1	1	1
EQT253	4-09, Benzene Day Tank (257-1903)																		1	1	1	1

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	Db	3Gs	3Qs	J	Kb	A	M	V	FF	A	F	G	CC	Q	3U	H	S2	64	68	82
EQT254	5-09, Benzene Day Tank (257-1904)									1								1	1			
EQT255	6-09, Slop Tank (257-1905)									1								1	1			
FUG053	Unit 205 Fug., GME Delayed Coker Unit Fugitives																	1				
FUG054	Unit 205A Fug., GME Coker Gas Plant Fugitives																	1				
FUG055	Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives																	1				
FUG056	Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives																	1				
FUG057	Unit 212 Fug., GME CCR Platformer Unit Fugitives																	1				
FUG058	Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives																	1				
FUG059	Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives																	1				
FUG060	Unit 215 Fug., GME Hydrocracker Fugitives																	1				
FUG061	Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives																	1				
FUG062	Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives																	1				
FUG063	Unit 222 Fug., GME Saturates Gas Plant Fugitives																	1				
FUG064	Unit 222A Fug., GME Sat Propane Merox Unit Fugitives																	1				

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARRYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARRYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	Db	3Gs	3Qs	J	Kb	A	M	V	FF	A	F	G	CC	Q	3U	H	52	64	68	82
FUG0065	Unit 222B Fug., GME Sat Butane Merox Unit Fugitives																					
FUG0066	Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives																					
FUG0067	Unit 233 Fug., GME Sour Water Stripper Unit Fugitives																					
FUG0068	Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives																					
FUG0069	Unit 241 Fug., GME Intermediate Product Unit Fugitives																					
FUG0070	Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives																					
FUG0071	Unit 247 Fug., GME Amine Regeneration Unit Fugitives																					
FUG0072	GME Marine Loading Dock No. 4 Unit Fugitives																					
FUG0073	Unit 250A Fug., GME Marine Vapor Combustor Fugitives																					
FUG0074	Unit 259 Fug., GME Flare System Fugitives																					
FUG0075	Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives																					
FUG0076	Unit 263 Fug., GME Interconnecting Pipeway Fugitives																					
FUG0077	Unit 265 Fug., GME Truck Rack Fugitives																					

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR											
		A	Db	3Gs	3Qs	J	Kb	A	M	V	FF	A	F	G	CC	Q	3U	H	52	64	68	82
FUG078	Unit 267 Fug., GME Blending Facilities Fugitives				1												1					
FUG079	Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives					1											1					
FUG088	Unit 257 Fug., Sulfolane Unit Fugitives						GGGa applies										1		1			

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- 2 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 3 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- Blank - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
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**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT 185-202, 250, and .251 1-08 thru 16-08, GME Heaters, Reboilers and Boiler	Comprehensive Toxic Air Pollutant Emission Control Program LAC 33:III.Chapter 51 – State Only	Exempt	LAC 33:III.5105.B.3	Fuel - Mixture of natural gas and refinery fuel gas
EQT 211 and 213 24-08 and 32-08, GME Cooling Towers No. 1 and 2	NESHAP, Subpart Q - Cooling Water Tower Fugitives	Exempt	40 CFR 63.400	Does not use chromium containing corrosion inhibitors
EQT 200, 201 GME Sats Gas Plant Hot Oil Heater	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.2.a	The stream will not support combustion without economically impractical amounts of auxiliary fuel
EQT 214 and 215 GME Coker Drum Vent	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
EQT 247 and 248 Gasoline Tank	NSPS, Subpart Kb – VOL Storage Vessels	Does not apply	40 CFR 60.110(b)(a)	Based on capacity
EQT 252 3-09, Plant Inventory Tank	Control of Emissions of Organic Compounds – Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.A	The max. total vapor pressure of the stored material is less than 1.5 psia

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## 40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

## 40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## 40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated June 6, 2008; as well as additional information as of August 8, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December

## **LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## **LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302
- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**General Information****AI ID: 43634 Trinity Marine Products Inc - Plant #48 (Trinity Brusly)**

Activity Number: PER20080002

Permit Number: 3120-00071-V3

Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	3120-00071	Trinity Marine Products Inc - Plant #48 (Trinity Brusly)	CDS Number	04-24-2000
	LAR05M050	WPC File Number	LPDES Permit #	05-22-2003
	70719TRNTY7555C	TRI #	Toxic Release Inventory	07-09-2004
Physical Location:	7555 Choctaw Rd Brusly, LA 70719			
Mailing Address:	PO Box 108 Port Allen, LA 707670180			
Location of Front Gate:	30° 23' 12" N latitude, 91° 18' 53" W longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Cary Fowler	PO Box 108 Port Allen, LA 70767	2257493181 (WP)	Responsible Official for
	Lisa Pepitone	PO Box 108 Port Allen, LA 70767	lisa.pepitone@trin.nk	Emission Inventory Contact for
	Lisa Pepitone	PO Box 108 Port Allen, LA 70767	2257493181 (WP)	Emission Inventory Contact for
	David West	2525 Stemmons Fwy Dallas, TX 75207	DAVID.WEST@TRII	Water Billing Party for
	David West	2525 Stemmons Fwy Dallas, TX 75207	2145898115 (WP)	Water Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Trinity Marine Products Inc	7555 Choctaw Rd Brusly, LA 70719	Air Billing Party for	
	Trinity Marine Products Inc	7555 Choctaw Rd Brusly, LA 70719	Operates	
	Trinity Marine Products Inc	7555 Choctaw Rd Brusly, LA 70719	Owns	
	Trinity Marine Products Inc	7555 Choctaw Rd Brusly, LA 70719	Emission Inventory Billing Party	
NAIC Codes:	336611, Ship Building and Repairing			

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**General Information**

**AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

Also Known As:	ID	Name	User Group	Start Date
2560-00013	25-1410539	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	CDS Number	06-25-1999
LAD081999724	PMT/PC/CA	Federal Tax ID	Federal Tax ID	11-21-1989
LA0045683	LAR10C457	Marathon Ashland Petroleum LLC	Hazardous Waste Notification	01-12-1989
LAR10D879	WPC0399	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
		WPC File Number	LPDES Permit #	05-22-2003
		LPDES Permit #	LPDES Permit #	08-08-2004
		LPDES Permit #	LPDES Permit #	03-01-2007
		WPC State Permit Number	LWDPS Permit #	06-25-2003
		Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	Multimedia	09-01-2005
LA-3239-L01A	7408	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
GD-095-0981	19415	Radioactive Material License	Radiation License Number	07-30-2003
	222003	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
	36680	Site ID #	Solid Waste Facility No.	04-30-2001
	38855	Marathon Ashland Petroleum Co - Garyville Refinery	TEMPO Merge	04-01-2002
	45582	Marathon Ashland Petroleum LLC	TEMPO Merge	04-16-2002
	72691	Marathon Ashland Petroleum LLC	TEMPO Merge	12-09-2001
	70051MRTHNHWY61	Marathon Oil Garyville Refinery	TEMPO Merge	04-16-2002
	1577	Louisiana Refining Division	TEMPO Merge	04-07-2002
	48006222	TRI #	Toxic Release Inventory	07-29-2004
	48014943	UST Case History Case Number	UST Case Number	11-21-1999
	WQC DH 070308-06	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
		UST Facility ID Number	UST FID #	05-27-1993
		Water Quality Certification #	Water Certification	03-08-2007
		Main Phone:	9855352241	
		Physical Location:		
		4663 W Airline Hwy (portion of Hwy 61 at Marathon Ave Garyville, LA 70051		
		Mailing Address:		
		PO Box AC Garyville, LA 70051		
		Location of Front Gate:	30° 3' 40" 76 hundredths latitude, 90° 35' 36" 7 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: NAD83	
		Related People:	Name _____	Relationship _____
			Phone (Type) _____	

**General Information**  
**All ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

Related People:	Name	Mailing Address	Phone (Type)	Relationship
Richard Bedell	PO Box AC Garyville, LA 70051	9855352241 (VP)	Responsible Official for	
Richard Bedell	PO Box AC Garyville, LA 70051	rbedell@marathonope	Responsible Official for	
Jason Bradford	PO Box AC Garyville, LA 70051	9855357353 (VP)	Emission Inventory Contact for	
Jason Bradford	PO Box AC Garyville, LA 70051	jbradford@marathon	Emission Inventory Contact for	
Ryan Cole	PO Box AC Garyville, LA 70051	9855357723 (VP)	Solid Waste Billing Party for	
Ryan Cole	PO Box AC Garyville, LA 70051	9855357723 (VP)	Water Billing Party for	
Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (VP)	Accident Prevention Contact for	
Wally Dows	PO Box AC Garyville, LA 70051	9855357177 (VF)	Accident Prevention Contact for	
Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (VP)	Accident Prevention Billing Party for	
Wally Dows	PO Box AC Garyville, LA 70051	9855357177 (VF)	Accident Prevention Billing Party for	
C. Blake Harmon	PO Box AC Garyville, LA 70051	5045352241 (VP)	Underground Storage Tank Contact for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (VP)	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation License Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation License Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (VF)	Radiation License Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (VP)	Radiation License Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (VF)	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (VP)	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (VF)	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Registration Billing Party for	
Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (VP)	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (VF)	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Safety Officer for	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (VP)	Radialon Contact For	
Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (VF)	Radialon Contact For	
Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radialon Contact For	
Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radialon Contact For	
Related Organizations:	Name	Address	Phone (Type)	Relationship
Marathon Petroleum Co LLC	PO Box AC Garyville, LA 70051	9855357888 (VP)	UST Billing Party for	
Marathon Petroleum Co LLC	PO Box AC Garyville, LA 70051	9855357888 (VP)	Air Billing Party for	
Marathon Petroleum Co LLC	PO Box AC Garyville, LA 70051	9855357888 (VP)	Operates	
Marathon Petroleum Co LLC	PO Box AC Garyville, LA 70051	9855357888 (VP)	Owns	
Marathon Petroleum Co LLC	PO Box AC Garyville, LA 70051	9855357888 (VP)	Emission Inventory Billing Party	

NAIC Codes:  
32411, Petroleum Refineries

General Information

AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
Activity Number: PER20080016  
Permit Number: 3039-V4  
Air - Title V Regular Permit Minor Mod

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INVENTORIES

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>GME Facility</b>						
EQT0185	1-08 - GME A Crude Heater	368.4 MM BTU/hr	294.72 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0186	2-08 - GME B Crude Heater	368.4 MM BTU/hr	294.72 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0187	3-08 - GME A Vacuum Tower Heater	155.2 MM BTU/hr	124.15 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0188	4-08 - GME B Vacuum Tower Heater	155.2 MM BTU/hr	124.15 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0189	5-08 - GME Naphtha Hydrotreater Reactor Charge Heater	75.7 MM BTU/hr	60.59 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0190	6-08 - GME Naphtha Hydrotreater Stripper Reboiler Heater	138.4 MM BTU/hr	110.75 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0191	7A-08 - GME Platformer Heater Cell No. 1	47.4 MM BTU/hr	37.918 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0192	7B-08 - GME Platformer Heater Cell No. 2	542.4 MM BTU/hr	433.9 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0193	7C-08 - GME Platformer Heater Cell No. 3	333.8 MM BTU/hr	267.02 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0195	9-08 - GME KHT Reactor Charge Heater	73.8 MM BTU/hr	59.07 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0196	10-08 - GME KHT Stripper Reboiler Heater	121.8 MM BTU/hr	97.45 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0197	11-08 - GME HCU Train 1 Reactor Charge Heater	85.05 MM BTU/hr	68.04 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0198	12-08 - GME HCU Train 2 Reactor Charge Heater	85.05 MM BTU/hr	68.04 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0199	13-08 - GME HCU Fractionator Heater	361.26 MM BTU/hr	289.01 MM BTU/hr	ULNB	8760 hr/yr (All Year)	
EQT0201	15-08 - GME Coker Charge Heater	480.1 MM BTU/hr	384.05 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0202	16-08 - GME Boiler No. 1	525.73 MM BTU/hr	420.59 MM BTU/hr	ULNB, FGR	8760 hr/yr (All Year)	
EQT0204	18-08 - GME Thermal Oxidizer No. 1	63.7 MM BTU/hr	50.98 MM BTU/hr		8760 hr/yr (All Year)	
EQT0205	19-08 - GME Thermal Oxidizer No. 2	63.7 MM BTU/hr	50.98 MM BTU/hr		8760 hr/yr (All Year)	
EQT0206	20-08 - GME Flare	22.8 MM BTU/hr	18.22 MM BTU/hr		8760 hr/yr (All Year)	
EQT0207	20-08 SU/SD - GME Flare Startup/Shutdown	22.8 MM BTU/hr	18.22 MM BTU/hr		(None Specified)	
EQT0208	21-08 - GME Emergency Generator (Dock)	1341 horsepower	1341 horsepower		182 hr/yr (All Year)	
EQT0209	22-08 - GME Emergency Generator (Frank Farm)	671 horsepower	670.5 horsepower		182 hr/yr (All Year)	
EQT0210	23-08 - GME Regenerator Vent	1229.17 SCFM	983.33 SCFM		8760 hr/yr (All Year)	
EQT0211	24-08 - GME Cooling Tower No. 1	30000 gallons/min	24000 gallons/min		8760 hr/yr (All Year)	
EQT0212	31-08 - GME Coke Stockpile	1200 tons/hr	5700 tons/day	of Coke (30 day rolling average)	8760 hr/yr (All Year)	
EQT0213	32-08 - GME Cooling Tower No. 2	96250 gallons/min	77000 gallons/min		8760 hr/yr (All Year)	
EQT0214	33A-08 - GME A Coker Drum Vent	4500 lb/day	3600 lb/day		8760 hr/yr (All Year)	
EQT0215	33B-08 - GME B Coker Drum Vent	4500 lb/day	3600 lb/day		8760 hr/yr (All Year)	
EQT0247	1-07 - Gasoline Storage Tank	3000 gallons	150000 gallons/yr		8760 hr/yr (All Year)	
EQT0248	2-07 - Gasoline Storage Tank	3000 gallons	150000 gallons/yr		8760 hr/yr (All Year)	
EQT0250	1-09 - U212 Splitter Reboiler Heater (257-1401)	132.5 MM BTU/hr	106 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0251	2-09 - U12 Splitter Reboiler Heater (257-1402)	115 MM BTU/hr	92 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)	
EQT0252	3-09 - Plant Inventory Tank (257-1902)	210000 gallons			8760 hr/yr (All Year)	
EQT0253	4-09 - Benzene Day Tank (257-1903)	294000 gallons			8760 hr/yr (All Year)	
EQT0254	5-09 - Benzene Day Tank (257-1904)	294000 gallons			8760 hr/yr (All Year)	
EQT0255	6-09 - Slop Charge Tank (257-1905)	294000 gallons			8760 hr/yr (All Year)	
EQT0256	SUMPV - SU Miscellaneous Process Vents			Routed to Emission Points 1-09 and 2-09	8760 hr/yr (All Year)	
FUG0053	Unit 205 Fug. - GME Delayed Coker Unit Fugitives				8760 hr/yr (All Year)	
FUG0054	Unit 205A Fug. - GME Coler Gas Plant Fugitives				8760 hr/yr (All Year)	
FUG0055	Unit 210 Fug. - GME Crude/Vacuum Distillation Unit Fugitives				8760 hr/yr (All Year)	

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time	
<b>GME Facility</b>							
FUG0056	Unit 211 Fug - GME Naphtha Hydroreater Unit Fugitives					8760 hr/yr (All Year)	
FUG0057	Unit 212 Fug - GME CCR Platformer Unit Fugitives					8760 hr/yr (All Year)	
FUG0058	Unit 212A Fug - GME Platformer Unit (Perchloroethylene) Fugitives					8760 hr/yr (All Year)	
FUG0059	Unit 214 Fug - GME Kerosene Hydroreater Unit Fugitives					8760 hr/yr (All Year)	
FUG0060	Unit 215 Fug - GME Hydrocracker Fugitives					8760 hr/yr (All Year)	
FUG0061	Unit 220 Fug - GME Sulfur Recovery Plant No. 1 Fugitives					8760 hr/yr (All Year)	
FUG0062	Unit 221 Fug - GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives					8760 hr/yr (All Year)	
FUG0063	Unit 222 Fug - GME Saturates Gas Plant Fugitives					8760 hr/yr (All Year)	
FUG0064	Unit 222A Fug - GME Sat Propane Merrox Unit Fugitives					8760 hr/yr (All Year)	
FUG0065	Unit 222B Fug - GME Sat Butane Merrox Unit Fugitives					8760 hr/yr (All Year)	
FUG0066	Unit 232 Fug - GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives					8760 hr/yr (All Year)	
FUG0067	Unit 233 Fug - GME Sour Water Stripper Unit Fugitives					8760 hr/yr (All Year)	
FUG0068	Unit 234 Fug - GME Sulfur Recovery Plant No 2 Fugitives					8760 hr/yr (All Year)	
FUG0069	Unit 241 Fug - GME Intermediate Product Unit Fugitives					8760 hr/yr (All Year)	
FUG0070	Unit 243 Fug - GME Fuel Gas Treater Unit Fugitives					8760 hr/yr (All Year)	
FUG0071	Unit 247 Fug - GME Amine Regeneration Unit Fugitives					8760 hr/yr (All Year)	
FUG0072	Unit 250 Fug - GME Marine Loading Dock No. 4 Unit Fugitives					8760 hr/yr (All Year)	
FUG0073	Unit 250A Fug - GME Marine Vapor Combustor Fugitives					8760 hr/yr (All Year)	
FUG0074	Unit 259 Fug - GME Flare System Fugitives					8760 hr/yr (All Year)	
FUG0075	Unit 260 Fug - GME Wastewater Treatment Plant Train No. 5 Fugitives					8760 hr/yr (All Year)	
FUG0076	Unit 263 Fug - GME Interconnecting Pipeway Fugitives					8760 hr/yr (All Year)	
FUG0077	Unit 265 Fug - GME Truck Rack Fugitives					8760 hr/yr (All Year)	
FUG0078	Unit 267 Fug - GME Blending Facilities Fugitives					8760 hr/yr (All Year)	
FUG0079	Unit 271 Fug - GME Barge Dock No. 3 Unit Fugitives					8760 hr/yr (All Year)	
FUG0088	Unit 257 Fug - Sulfolane Unit 257 Fugitives					8760 hr/yr (All Year)	
<b>Stack Information:</b>							
ID	Description	Velocity (ft/sec.)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>GME Facility</b>							
EQT0185	1-08 - GME A Crude Heater	13	58236.29	9.75		150	300
EQT0186	2-08 - GME B Crude Heater	13	58236.29	9.75		150	300
EQT0187	3-08 - GME A Vacuum Tower Heater	12	23891.81	6.5		150	300
EQT0188	4-08 - GME B Vacuum Tower Heater	12	23891.81	6.5		150	300
EQT0189	5-08 - GME Naphtha Hydroreater Reactor Charge Heater	19.8	21052.01	4.75		150	600
EQT0190	6-08 - GME Naphtha Hydroreater Stripper Reboiler Heater	19.8	39421.59	6.5		150	600

**INVENTORIES**  
**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

<b>Stack Information:</b>		<b>ID</b>	<b>Description</b>	<b>Velocity (ft/sec)</b>	<b>Flow Rate (cubic ft/min/actual)</b>	<b>Diameter (feet)</b>	<b>Discharge Area (square feet)</b>	<b>Height (feet)</b>	<b>Temperature (°F)</b>
<b>GME Facility</b>									
EQT0191	7A-08 - GME Platformer Heater Cell No. 1	21.4	95865.9	9.75				200	300
EQT0192	7B-08 - GME Platformer Heater Cell No. 2	21.4	95865.9	9.75				200	300
EQT0193	7C-08 - GME Platformer Heater Cell No. 3	21.4	95865.9	9.75				200	300
EQT0195	9-08 - GME KHT Reactor Charge Heater	19.2	20414.07	4.75				150	600
EQT0196	10-08 - GME KHT Stripper Reboiler Heater	20.6	32095.49	5.75				150	600
EQT0197	11-08 - GME HCU Train 1 Reactor Charge Heater	24	20721.63	4.5				150	500
EQT0198	12-08 - GME HCU Train 2 Reactor Charge Heater	24	20721.63	4.5				150	500
EQT0199	13-08 - GME HCU Fractionator Heater	13	88712.69	13.5				150	300
EQT0201	15-08 - GME Coker Charge Heater	12.8	94247.78	12.5				150	300
EQT0202	16-08 - GME Boiler No. 1	12.3	74858.42	12.3				75	300
EQT0204	18-08 - GME Thermal Oxidizer No. 1	41	12075.69	2.5				200	600
EQT0205	19-08 - GME Thermal Oxidizer No. 2	41	12075.69	2.5				200	600
EQT0206	20-08 - GME Flare	65.6	19320.79	2.5				212	1831.73
EQT0207	20-08 SUISD - GME Flare Startup/Shutdown	65.6	19321	2.5				212	1832
EQT0208	21-08 - GME Emergency Generator (Dock)	225.2		1				10	400
EQT0209	22-08 - GME Emergency Generator (Tank Farm)	225.2		1				10	400
EQT0210	23-08 - GME Platformer Regenerator Vent	16		43				50	795
EQT0211	24-08 - GME Cooling Tower No. 1	36.52		28				50	80
EQT0212	31-08 - GME Coke Stockpile			3.28				3.28	80
EQT0213	32-08 - GME Cooling Tower No. 2	57.91		16				31	80
EQT0214	35A-08 - GME A Coker Drum Vent	1.86	60.38	.83				180	212
EQT0215	33B-08 - GME B Coker Drum Vent	1.86	60.38	.83				212	212
EQT0247	1-07 - Gasoline Storage Tank			5.33					
EQT0248	2-07 - Gasoline Storage Tank			6					
EQT0250	1-09 - U212 Splitter Reboiler Heater (257-1401)			6.5				150	600
EQT0251	2-09 - U12 Splitter Reboiler Heater (257-1402)			5.8				150	600
EQT0252	3-09 - Plant Inventory Tank (257-1902)			28				30	70
EQT0253	4-09 - Benzene Day Tank (257-1903)			60				40	100
EQT0254	5-09 - Benzene Day Tank (257-1904)			60				40	100
EQT0255	6-09 - Slop Charge Tank (257-1905)			60				40	100

Relationships:

**INVENTORIES**  
**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**Subject Item Groups:**

ID	Group Type	Group Description
GRP0028	Equipment Group	GME FUG - GME FugitiveCap
GRP0029	Equipment Group	GME HBC - GME Heater/Boiler Cap
GRP0030	Equipment Group	GME TOC - GME Thermal Oxidizer Cap
UNF0002	Unit or Facility Wide	GME - GME Facility

**Group Membership:**

ID	Description	Member of Groups
EQT085	1-08 - GME A Crude Heater	GRP0000000029
EQT086	2-08 - GME B Crude Heater	GRP0000000029
EQT087	3-08 - GME A Vacuum Tower Heater	GRP0000000029
EQT088	4-08 - GME B Vacuum Tower Heater	GRP0000000029
EQT089	5-08 - GME Naphtha Hydrotreater Reactor Charge Heater	GRP0000000029
EQT090	6-08 - GME Naphtha Hydrotreater Stripper Reboiler Heater	GRP0000000029
EQT091	7A-08 - GME Platformer Heater Cell No. 1	GRP0000000029
EQT092	7B-08 - GME Platformer Heater Cell No. 2	GRP0000000029
EQT093	7C-08 - GME Platformer Heater Cell No. 3	GRP0000000029
EQT095	9-08 - GME KHT Reactor Charge Heater	GRP0000000029
EQT096	10-08 - GME KHT Stripper Reboiler Heater	GRP0000000029
EQT097	11-08 - GME HCU Train 1 Reactor Charge Heater	GRP0000000029
EQT098	12-08 - GME HCU Train 2 Reactor Charge Heater	GRP0000000029
EQT099	13-08 - GME HCU Fractionator Heater	GRP0000000029
EQT0201	15-08 - GME Coker Charge Heater	GRP0000000029
EQT0202	16-08 - GME Boiler No. 1	GRP0000000029
EQT0204	18-08 - GME Thermal Oxidizer No. 1	GRP0000000030
EQT0205	19-08 - GME Thermal Oxidizer No. 2	GRP0000000030
FUG0053	Unit 205 Fug. - GME Delayed Coker Unit Fugitives	GRP0000000028
FUG0054	Unit 205A Fug. - GME Coker Gas Plant Fugitives	GRP0000000028
FUG0055	Unit 210 Fug. - GME Crude/Vacuum Distillation Unit Fugitives	GRP0000000028
FUG0056	Unit 211 Fug. - GME Naphtha Hydrotreater Unit Fugitives	GRP0000000028
FUG0057	Unit 212 Fug. - GME CCR Platformer Unit Fugitives	GRP0000000028
FUG0058	Unit 212A Fug. - GME Platformer Unit (Perchloroethylene) Fugitives	GRP0000000028
FUG0059	Unit 214 Fug. - GME Kerosene Hydrotreater Unit Fugitives	GRP0000000028
FUG0060	Unit 215 Fug. - GME Hydrocracker Fugitives	GRP0000000028
FUG0061	Unit 220 Fug. - GME Sulfur Recovery Plant No. 1 Fugitives	GRP0000000028
FUG0062	Unit 221 Fug. - GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives	GRP0000000028
FUG0063	Unit 222 Fug. - GME Saturates Gas Plant Fugitives	GRP0000000028
FUG0064	Unit 222A Fug. - GME Sat Propane Merox Unit Fugitives	GRP0000000028
FUG0065	Unit 222B Fug. - GME Sat Butane Merox Unit Fugitives	GRP0000000028
FUG0066	Unit 232 Fug. - GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives	GRP0000000028
FUG0067	Unit 233 Fug. - GME Sour Water Stripper Unit Fugitives	GRP0000000028
FUG0068	Unit 234 Fug. - GME Sulfur Recovery Plant No. 2 Fugitives	GRP0000000028
FUG0069	Unit 241 Fug. - GME Intermediate Product Unit Fugitives	GRP0000000028

**INVENTORIES**  
**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**Group Membership:**

ID	Description	Member of Groups
FUG0070	Unit 243 Fug. - GMME Fuel Gas Treater Unit Fugitives	GRP00000000028
FUG0071	Unit 247 Fug. - GMME Amine Regeneration Unit Fugitives	GRP00000000028
FUG0072	Unit 250 Fug. - GMME Marine Loading Dock No. 4 Unit Fugitives	GRP00000000028
FUG0073	Unit 250A Fug. - GMME Marine Vapor Compressor Fugitives	GRP00000000028
FUG0074	Unit 259 Fug. - GMME Flare System Fugitives	GRP00000000028
FUG0075	Unit 260 Fug. - GMME Wastewater Treatment Plant Train No. 5 Fugitives	GRP00000000028
FUG0076	Unit 263 Fug. - GMME Interconnecting Pipeway Fugitives	GRP00000000028
FUG0077	Unit 265 Fug. - GMME Truck Rack Fugitives	GRP00000000028
FUG0078	Unit 267 Fug. - GMME Blending Facilities Fugitives	GRP00000000028
FUG0079	Unit 271 Fug. - GMME Barge Dock No. 3 Unit Fugitives	GRP00000000028

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source Petroleum Refining (Rated Capacity)	Multiplier	Units Of Measure
0720		425	1,000 BBL/Day

**SIC Codes:**

2824	Plastics-matematics-and-leather	-A13465-
2911	Petroleum refining	A13165

TEMPO system error  
It is being fixed.

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>GME Facility</b>															
EQT 0185 1-08	7.37		11.79		2.74				10.67						0.55
EQT 0186 2-08	7.37		11.79		2.74	-			10.67						0.55
EQT 0187 3-08	3.10		6.21		1.16				4.50						0.23
EQT 0188 4-08	3.10		6.21		1.16				4.50						0.23
EQT 0189 5-08	3.03		2.27		0.56				2.19						0.11
EQT 0190 6-08	2.77		4.15		1.03				4.01						0.21
EQT 0191 7A-08	9.48		14.22		3.53				13.73						0.71
EQT 0192 7B-08	10.85		16.27		4.04				15.72						0.81
EQT 0193 7C-08	6.68		10.01		2.49				9.67						0.50
EQT 0195 9-08	2.95		2.22		0.55				2.14						0.11
EQT 0196 10-08	2.44		3.65		0.91				3.53						0.18
EQT 0197 11-08	3.40		2.55		0.63				2.46						0.13
EQT 0198 12-08	3.40		2.55		0.63				2.46						0.13
EQT 0199 13-08	7.23		11.56		2.69				10.47						0.54
EQT 0201 15-08	9.60		15.36		3.58				41.59						0.72
EQT 0202 16-08	10.51		21.03		3.92				15.23						0.79
EQT 0204 18-08	2.55		12.75		0.47				61.67						0.03
EQT 0205 19-08	2.55		12.75		0.47				61.67						0.03
EQT 0206 20-08	1.96	2.45	5.09	1.77	2.22	5.11	0.14	0.17	0.39	0.58	0.90	2.23	0.47	0.59	1.40
EQT 0207 20-08 SURSO	6.95	8.68	0.15	32.43	40.53	0.62	<0.01	0.01	0.01	172.16	215.20	7.56	111.46	139.33	2.75
EQT 0208 21-08	8.96	11.20	0.82	41.57	51.96	3.78	2.95	3.69	0.27	0.01	0.02	<0.01	3.31	4.14	0.30
EQT 0209 22-08	4.48	5.60	0.41	20.79	25.98	1.89	1.48	0.13	0.01	0.01	<0.01	1.66	2.07	0.15	
EQT 0210 23-08	0.84	1.05	3.68					0.06	0.07	0.26			0.36	0.45	1.58

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>GME Facility</b>															
EQT 0211 24-08							0.72	0.90	3.16				1.01	1.26	4.42
EQT 0212 31-08							0.01	0.04	0.07				<0.01	0.01	0.01
EQT 0213 32-08							2.31	2.89	10.13				3.23	4.04	14.16
EQT 0214 33A-08													36.00	45.00	6.57
EQT 0215 33B-08													36.00	45.00	6.57
EQT 0247 1-07													0.19	0.19	0.85
EQT 0248 2-07													0.21	0.21	0.91
EQT 0250 1-08	4.29	5.36	18.79	1.34	1.68	5.87	0.80	1.00	3.50	0.77	3.89	3.37	0.86	1.07	3.76
EQT 0251 2-09	3.73	4.66	16.34	1.17	1.46	5.11	0.69	0.87	3.04	0.67	3.38	2.93	0.84	1.05	3.67
EQT 0252 3-09													0.03	0.04	0.11
EQT 0253 4-09													0.11	0.14	0.48
EQT 0254 5-09													0.11	0.14	0.48
EQT 0255 6-09													0.10	0.13	0.44
FUG 0053 Unit 205 Fug.														19.25	
FUG 0054 Unit 205A Fug.														1.80	
FUG 0055 Unit 210 Fug.															17.01
FUG 0056 Unit 211 Fug.														0.96	
FUG 0057 Unit 212 Fug.														2.62	
FUG 0058 Unit 212A Fug.														0.13	
FUG 0059 Unit 214 Fug.														4.55	
FUG 0060 Unit 215 Fug.														8.63	
FUG 0061 Unit 220 Fug.														0.01	
FUG 0062															0.07

**EMISSION RATES FOR CRITERIA POLLUTANTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**

**Permit Number: 3039-V4**

**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
<b>GME Facility</b>															
FUG 0063 Unit 222 Fug															7.88
FUG 0064 Unit 222A Fug															1.53
FUG 0065 Unit 222B Fug															0.93
FUG 0066 Unit 232 Fug															0.07
FUG 0067 Unit 233 Fug															0.28
FUG 0068 Unit 234 Fug															0.01
FUG 0069 Unit 241 Fug															0.14
FUG 0070 Unit 243 Fug															1.01
FUG 0071 Unit 247 Fug															0.07
FUG 0072 Unit 250 Fug															0.44
FUG 0073 Unit 250A Fug															0.18
FUG 0074 Unit 259 Fug															0.71
FUG 0075 Unit 260 Fug															3.92
FUG 0076 Unit 263 Fug															10.33
FUG 0077 Unit 265 Fug															1.88
FUG 0078 Unit 267 Fug															2.89
FUG 0079 Unit 271 Fug															0.57
FUG 0088 Unit 257 Fug															2.24
GRP 0028 GME FUG															2.69
GRP 0029 GME HBC	<b>74.62</b>			<b>326.85</b>	<b>87.09</b>		<b>381.44</b>	<b>25.90</b>		<b>113.42</b>	<b>36.73</b>		<b>160.86</b>	<b>5.21</b>	<b>320.71</b>
GRP 0030 GME TOC	<b>4.08</b>			<b>17.86</b>	<b>20.39</b>		<b>89.32</b>	<b>0.76</b>		<b>3.33</b>	<b>46.08</b>		<b>201.83</b>	<b>0.04</b>	<b>22.83</b>
															<b>0.18</b>

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0185 1-08	Ammonia		1.96	
	Formaldehyde		0.01	
EQT 0186 2-08	Ammonia		1.96	
	Formaldehyde		0.01	
EQT 0187 3-08	Ammonia		0.80	
	Formaldehyde		< 0.01	
EQT 0188 4-08	Ammonia		0.80	
	Formaldehyde		< 0.01	
EQT 0190 6-08	Formaldehyde		< 0.01	
EQT 0191 7A-08	Formaldehyde		0.01	
EQT 0192 7B-08	Formaldehyde		0.01	
EQT 0193 7C-08	Formaldehyde		< 0.01	
EQT 0196 10-08	Formaldehyde		< 0.01	
EQT 0199 13-08	Formaldehyde		< 0.01	
EQT 0201 15-08	Ammonia		3.17	
	Formaldehyde		0.01	
EQT 0202 16-08	Formaldehyde		0.01	
EQT 0204 18-08	Hydrogen sulfide		< 0.01	
EQT 0205 19-08	Hydrogen sulfide		< 0.01	
EQT 0206 20-08	Arsenic (and compounds)	< 0.01	< 0.01	< 0.01
	Barium (and compounds)	< 0.01	< 0.01	< 0.01
	Benzene	< 0.01	< 0.01	< 0.01
	Beryllium (Table 51.1)	< 0.01	< 0.01	< 0.01
	Cadmium (and compounds)	< 0.01	< 0.01	< 0.01
	Chromium VI (and compounds)	< 0.01	< 0.01	< 0.01
	Cobalt compounds	< 0.01	< 0.01	< 0.01
	Copper (and compounds)	< 0.01	< 0.01	< 0.01
	Dichlorobenzene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Formaldehyde	< 0.01	< 0.01	< 0.01
	Lead compounds	< 0.01	< 0.01	< 0.01
	Manganese (and compounds)	< 0.01	< 0.01	< 0.01
	Mercury (and compounds)	< 0.01	< 0.01	< 0.01
	Naphthalene (and Methyl naphthalenes)	< 0.01	< 0.01	< 0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0206 20-08	Nickel (and compounds)	< 0.01	< 0.01	< 0.01
	Polynuclear Aromatic Hydrocarbons	< 0.01	< 0.01	< 0.01
	Selenium (and compounds)	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	Zinc (and compounds)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.07	0.08	0.14
EQT 0207 20-08 SWSD	Benzene	0.07	0.09	0.30
	Hydrogen sulfide	0.44	0.55	0.01
	Toluene	0.01	0.01	< 0.01
	Xylene (mixed isomers)	0.07	0.08	< 0.01
	n-Hexane	3.04	3.80	0.04
EQT 0210 23-08	Hydrochloric acid	0.06	0.08	0.27
EQT 0211 24-08	Benzene	0.16	0.20	0.69
EQT 0212 31-08	Nickel (and compounds)	< 0.01	< 0.01	< 0.01
EQT 0213 32-08	Benzene	0.16	0.20	0.69
EQT 0214 33A-08	Hydrogen sulfide	0.36	0.45	0.07
EQT 0215 33B-08	Hydrogen sulfide	0.36	0.45	0.07
EQT 0247 1-07	2,2,4-Trimethylpentane	< 0.01	< 0.01	0.01
	Benzene	< 0.01	< 0.01	< 0.01
	Cumene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	< 0.01	< 0.01	< 0.01
EQT 0248 2-07	2,2,4-Trimethylpentane	< 0.01	< 0.01	0.01
	Benzene	< 0.01	< 0.01	< 0.01
	Cumene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Naphthalene	0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	< 0.01	< 0.01	< 0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0250 1-09	Ammonia	0.56	0.70	2.47
	Benzene	0.66	0.83	2.89
	Toluene	0.04	0.05	0.16
EQT 0251 2-09	Ammonia	0.49	0.61	2.14
	Benzene	0.66	0.83	2.89
	Toluene	0.04	0.05	0.16
EQT 0252 3-09	Benzene	0.02	0.03	0.08
	Toluene	< 0.01	0.01	0.02
EQT 0253 4-09	Benzene	0.11	0.14	0.48
EQT 0254 5-09	Benzene	0.11	0.14	0.48
EQT 0255 6-09	Benzene	0.10	0.13	0.44
FUG 0053 Unit 205 Fug.	Benzene		0.04	
	Ethyl benzene		0.15	
	Toluene		0.39	
	Xylene (mixed isomers)		0.49	
	n-Hexane		0.15	
FUG 0054 Unit 205A Fug.	Benzene		0.01	
	Ethyl benzene		0.01	
	Toluene		0.04	
	Xylene (mixed isomers)		0.07	
	n-Hexane		0.03	
FUG 0055 Unit 210 Fug.	Benzene		0.03	
	Ethyl benzene		0.11	
	Toluene		0.31	
	Xylene (mixed isomers)		0.37	
	n-Hexane		0.14	
FUG 0056 Unit 211 Fug.	Benzene		< 0.01	
	Ethyl benzene		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.03	
	n-Hexane		0.01	
FUG 0057 Unit 212 Fug.	Benzene		0.05	
	Ethyl benzene		0.05	
	Toluene		0.20	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0057 Unit 212 Fug	Xylene (mixed isomers)		0.25	
	n-Hexane		0.10	
FUG 0058 Unit 212A Fug	Tetrachloroethylene		0.13	
	Xylene (mixed isomers)	<	0.01	
FUG 0059 Unit 214 Fug	Benzene		< 0.01	
	Ethyl benzene		0.04	
	Toluene		< 0.01	
	n-Hexane		0.21	
FUG 0060 Unit 215 Fug.	Benzene		0.01	
	Ethyl benzene		0.01	
	Toluene		0.01	
FUG 0061 Unit 220 Fug.	Ammonia		0.04	
	Hydrogen sulfide		0.09	
FUG 0062 Unit 221 Fug	Hydrogen sulfide		0.12	
FUG 0063 Unit 222 Fug.	Ethyl benzene		0.01	
	Toluene		0.01	
	Xylene (mixed isomers)		0.01	
FUG 0066 Unit 232 Fug	Hydrogen sulfide		0.12	
FUG 0067 Unit 233 Fug.	Ammonia		0.12	
	Benzene		< 0.01	
	Ethyl benzene		< 0.01	
	Hydrogen sulfide		0.11	
	Toluene		0.01	
	Xylene (mixed isomers)		0.01	
	n-Hexane		0.01	
FUG 0068 Unit 234 Fug	Ammonia		0.04	
	Hydrogen sulfide		0.09	
FUG 0069 Unit 241 Fug	Benzene		< 0.01	
	Ethyl benzene		< 0.01	
	Toluene		< 0.01	
	Xylene (mixed isomers)		< 0.01	
	n-Hexane		< 0.01	
FUG 0070 Unit 243 Fug	Benzene		< 0.01	
FUG 0071 Unit 247 Fug	Hydrogen sulfide		0.12	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0072 Unit 250 Fug.	n-Hexane		< 0.01	
FUG 0073 Unit 250A Fug.	Benzene		0.01	
	Ethyl benzene		< 0.01	
	Toluene		< 0.01	
	Xylene (mixed isomers)		< 0.01	
	n-Hexane		< 0.01	
FUG 0074 Unit 259 Fug.	Benzene		0.01	
	Ethyl benzene		< 0.01	
	Toluene		< 0.01	
	Xylene (mixed isomers)		0.03	
FUG 0075 Unit 260 Fug.	Benzene		< 0.01	
	Ethyl benzene		0.02	
	Toluene		0.05	
	Xylene (mixed isomers)		0.06	
	n-Hexane		0.02	
FUG 0076 Unit 263 Fug.	Benzene		0.11	
	Ethyl benzene		0.11	
	Toluene		0.45	
	Xylene (mixed isomers)		0.48	
	n-Hexane		0.17	
FUG 0077 Unit 265 Fug.	Benzene		< 0.01	
	Ethyl benzene		< 0.01	
	Toluene		< 0.01	
	Xylene (mixed isomers)		< 0.01	
FUG 0078 Unit 267 Fug.	Benzene		0.04	
	Ethyl benzene		0.04	
	Toluene		< 0.01	
	Xylene (mixed isomers)		0.17	
	n-Hexane		0.06	
FUG 0079 Unit 271 Fug.	Benzene		< 0.01	
	Ethyl benzene		< 0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		< 0.01	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0088 Unit 257 Fug	Benzene	0.90	1.08	3.93
	Cumene	0.02	0.02	0.07
	Ethyl benzene	0.07	0.09	0.32
	Naphthalene (and Methyl naphthalenes)	0.02	0.02	0.07
	Styrene	< 0.01	< 0.01	< 0.01
	Toluene	0.32	0.39	1.42
	Xylene (mixed isomers)	0.35	0.42	1.53
GRP 0028 GME FUG	n-Hexane	0.10	0.12	0.43
	2,2,4-Trimethylpentane	0.82		3.59
	Ammonia	0.16		0.72
	Benzene	0.27		1.17
	Ethyl benzene	0.47		2.06
	Hydrogen sulfide	0.54		2.38
	Tetrachloroethylene	0.11		0.47
	Toluene	1.26		5.50
GRP 0029 GME HBC	Xylene (mixed isomers)	1.66		7.29
	n-Hexane	0.75		3.30
	Ammonia	6.96		30.47
	Formaldehyde	0.04		0.21
GRP 0030 GME TOC	Hydrogen sulfide	< 0.01		0.02
UNF 0002 GME	1,4-Dichlorobenzene			< 0.01
	2,2,4-Trimethylpentane			3.61
	Ammonia			35.80
	Arsenic (and compounds)			< 0.01
	Barium (and compounds)			< 0.01
	Benzene			14.04
	Beryllium (Table 51.1)			< 0.01
	Cadmium (and compounds)			< 0.01
	Chromium VI (and compounds)			< 0.01
	Cobalt compounds			< 0.01
	Copper (and compounds)			< 0.01
	Cumene			0.07
	Ethyl benzene			2.38
	Formaldehyde			0.21

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 GME	Hydrochloric acid			0.27
	Hydrogen sulfide			2.55
	Lead compounds			< 0.01
	Manganese (and compounds)			< 0.01
	Mercury (and compounds)			< 0.01
	Naphthalene			0.07
	Nickel (and compounds)			< 0.01
	Polynuclear Aromatic Hydrocarbons			< 0.01
	Selenium (and compounds)			< 0.01
	Styrene			< 0.01
	Tetrachloroethylene			0.47
	Toluene			7.26
	Xylene (mixed isomers)			8.82
	Zinc (and compounds)			< 0.01
	n-Hexane			3.91

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0185 1-08, GME A Crude Heater**

1 [40 CFR 52.21] Nitrogen dioxide <= 0.0125 lb/MMBTU, annual average. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Annual average  
Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Three-hour average

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified  
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified  
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Thirty-day average

Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0185 1-08, GME A Crude Heater**

14 [LAC 33:III.509]

VOC, Total  $\leq 0.0015 \text{ lb/MMBTU}$ , 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0186 2-08, GME B Crude Heater**

15 [40 CFR 52.21]

Carbon monoxide  $\leq 0.02 \text{ lb/MMBTU}$ , 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Thirty-day average

Nitrogen dioxide  $\leq 0.0125 \text{ lb/MMBTU}$ , annual average. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Annual average

Particulate matter (10 microns or less)  $\leq 0.0075 \text{ lb/MMBTU}$ , 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Three-hour average

Fuel gas: Hydrogen sulfide  $\leq 0.1 \text{ gr/dscf}$  ( $230 \text{ mg/dscm}$ ) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Opacity  $\leq 20$  percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate  $\leq 0.6 \text{ lb/MMBTU}$  of heat input.

Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

20 [40 CFR 60.106(e)]

21 [40 CFR 60.106]

22 [40 CFR 60.107]

23 [LAC 33:III.1101.B]

24 [LAC 33:III.1313.C]

25 [LAC 33:III.1503.C]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0186 2-08, GM/E B Crude Heater**

- 26 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average

**EQT0187 3-08, GM/E A Vacuum Tower Heater**

- 29 [40 CFR 52.21] Nitrogen dioxide <= 0.0125 lb/MMBTU, annual average. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509].
- Which Months: All Year Statistical Basis: Annual average
- Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average
- Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.107]
- Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0187 3-08, GME A Vacuum Tower Heater**

Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Thirty-day average

Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0188 4-08, GME B Vacuum Tower Heater**

Nitrogen dioxide <= 0.0125 lb/MMBTU, annual average. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Annual average

Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Three-hour average

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average  
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0188 4-08, GME B Vacuum Tower Heater**

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Thirty-day average

Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0189 5-08, GME Naphtha Hydrotreater Reactor Charge Heater**

Carbon monoxide <= 0.04 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Thirty-day average  
 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Three-hour average  
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0189 5-08, GME Naphtha Hydrotreater Reactor Charge Heater**

- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified
- Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33.III.1503.
- Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average
- VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average

**EQT0190 6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater**

- Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**EQT0190 6-08, GM&E Naphtha Hydrotreater Stripper Reboiler Heater**

- 72 [40 CFR 60.104(a)(1)]  
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average  
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33.III.1503.
- Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Thirty-day average  
 Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average  
 Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average  
 VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

**EQT0191 7A-08, GME Platformer Heater Cell No. 1**

- 85 [40 CFR 52.21] Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Thirty-day average
- 86 [40 CFR 52.21] Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Three-hour average
- 87 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscm (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average  
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 88 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.  
 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- 89 [40 CFR 60.106(a)]  
 90 [40 CFR 60.106]  
 91 [40 CFR 60.107]  
 92 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 93 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.
- 94 [LAC 33:III.1503.C]
- 95 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- 96 [LAC 33:III.509]  
 Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Annual average
- 97 [LAC 33:III.509]  
 Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0191 7A-08, GME Platformer Heater Cell No. 1**

98 [LAC 33:III.509]

VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0192 7B-08, GME Platformer Heater Cell No. 2**

99 [40 CFR 52.21]

Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Three-hour average

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate &lt;= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Thirty-day average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0192 7B-08, GME Platformer Heater Cell No. 2**

- Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Annual average  
 Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Three-hour average  
 VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Three-hour average

**EQT0193 7C-08, GME Platformer Heater Cell No. 3**

- Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Thirty-day average  
 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Three-hour average  
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average  
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
 Which Months: All Year Statistical Basis: None specified  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.  
 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-Y4  
 Air - Title V Regular Permit Minor Mod

**EQT0193 7C-08, GME Platformer Heater Cell No. 3**

123 [LAC 33:III.501.C.6]

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

124 [LAC 33:III.509]

Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Annual average  
 Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

125 [LAC 33:III.509]

Which Months: All Year Statistical Basis: Three-hour average  
 VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Three-hour average

**EQT0195 9-08, GME KHT Reactor Charge Heater**

127 [40 CFR 52.21]

Carbon monoxide <= 0.04 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Thirty-day average  
 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

128 [40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average  
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average  
 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

129 [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: None specified  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.  
 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0195 9-08, GME KHT Reactor Charge Heater**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack tests purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Hydrogen sulfide <= 25 ppm, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)], [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Annual average  
 Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)], [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]  
 Which Months: All Year Statistical Basis: Three-hour average

**EQT0196 10-08, GME KHT Stripper Reboiler Heater**

Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Thirty-day average  
 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21], LAC 33:III.509  
 Which Months: All Year Statistical Basis: Three-hour average  
 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscf) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
 Which Months: All Year Statistical Basis: Three-hour rolling average

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0196 10-08, GME KHT Stripper Reboiler Heater**

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.1913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

Hydrogen sulfide < 25 ppmv, annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0197 11-08, GME HCU Train 1 Reactor Charge Heater**

Carbon monoxide <= 0.04 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Thirty-day average

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V, Regular Permit Minor Mod

**EQT0197 11-08, GME HCU Train 1 Reactor Charge Heater**

- Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average  
Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- 156 [40 CFR 52.21]
- 157 [40 CFR 60.104(e)(1)]
- 158 [40 CFR 60.105(a)(4)]
- 159 [40 CFR 60.106(a)]
- 160 [40 CFR 60.106]
- 161 [40 CFR 60.107]
- 162 [LAC 33:III.1101.B]
- 163 [LAC 33:III.1313.C]
- 164 [LAC 33:III.1503.C]
- 165 [LAC 33:III.501.C.6]
- 166 [LAC 33:III.509]
- 167 [LAC 33:III.509]
- 168 [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average  
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(1)]
- Which Months: All Year Statistical Basis: None specified  
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.105, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified  
Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified  
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.
- Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average  
Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average  
VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0198 12-08, GME HCU Train 2 Reactor Charge Heater**

- Carbon monoxide <= 0.04 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Thirty-day average
- Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average
- Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Opacity <= 20 percent, except during the cleaning of a new fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified
- Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1.503.
- Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- Hydrogen sulfide <= 2.5 ppmv, annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0198 12-08, GME HCU Train 2 Reactor Charge Heater**

182 [LAC 33:III.509]

VOC, Total &lt;= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0199 13-08, GME HCU Fractionator Heater**

183 [40 CFR 52.21]

Carbon monoxide &lt;= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Thirty-day average

Particulate matter (10 microns or less) &lt;= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: Three-hour average

Fuel gas: Hydrogen sulfide &lt;= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]Which Months: All Year Statistical Basis: None specified  
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: None specified  
Total suspended particulate <= 0.6 lb/MMBTU of heat input.Which Months: All Year Statistical Basis: None specified  
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

**EQT0199 13-08, GME HCU Fractionator Heater**

194	[LAC 33:III.509]	Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] Which Months: All Year Statistical Basis: Annual average
195	[LAC 33:III.509]	Nitrogen dioxide <= 0.03 lb/MMBTU 3-hour average. Equipped with Ultra Low NOX Burners (UNL.B) without air preheat. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
196	[LAC 33 III.509]	Which Months: All Year Statistical Basis: Three-hour average VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] Which Months: All Year Statistical Basis: Three-hour average

**EQT0201 15-08, GME Coker Charge Heater**

197	[40 CFR 52.21]	Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509] Which Months: All Year Statistical Basis: Three-hour average
198	[40 CFR 60.104(a)(1)]	Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour rolling average
199	[40 CFR 60.105(a)(4)]	Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified
200	[40 CFR 60.106(a)]	Use as reference methods and procedures the test methods in 40 CFR 60 appendix A, or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (K). Subpart J.
201	[40 CFR 60.106]	Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
202	[40 CFR 60.107]	Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)] Which Months: All Year Statistical Basis: None specified
203	[40 CFR 63.643(a)(2)]	Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51. [40 CFR 63.643(b), LAC 33:III.5109.A] Group 1: The vent stream shall be introduced into the flame zone of the burner. Subpart CC. [40 CFR 63.644(a)(3), 40 CFR 63.643(b)] Shall use the test methods referenced in NESHAP, 40 CFR 63, Subpart CC to demonstrate compliance. Subpart CC.
204	[40 CFR 63.643(b)]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
205	[40 CFR 63.643(b)]	Total suspended particulate <= 0.6 lb/MMBTU of heat input.
206	[40 CFR 63.645]	Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.
207	- [LAC 33:III.1101.B] -	
208	[LAC 33:III.1313.C]	
209	[LAC 33:III.1503.C]	

**SPECIFIC REQUIREMENTS**

**A1 ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**EQT0201 15-08, GME Coker Charge Heater**

- 210 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 211 [LAC 33:III.501.C.6] Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- 212 [LAC 33:III.509] Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 213 [LAC 33:III.509] Which Months: All Year Statistical Basis: Thirty-day average Hydrogen sulfide <= 25 ppmv, annual average. Sulfur content based on H2S. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 214 [LAC 33:III.509] Which Months: All Year Statistical Basis: Annual average Nitrogen dioxide <= 0.0125 lb/MMBTU annual 3-hour average. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 215 [LAC 33:III.509] Which Months: All Year Statistical Basis: Three-hour average VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**EQT0202 16-08, GME Boiler No. 1**

- 216 [40 CFR 52.21] Carbon monoxide <= 0.02 lb/MMBTU, 30-day average, using refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- 217 [40 CFR 52.21] Which Months: All Year Statistical Basis: Thirty-day average Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU, 3-hour average, with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- 218 [40 CFR 60.104(a)(1)] Which Months: All Year Statistical Basis: Three-hour average Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- 219 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: None specified Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 220 [40 CFR 60.106(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0202 16-08, GME Boiler No. 1**

- 221 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.  
Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- 222 [40 CFR 60.107] Nitrogen oxides  $\leq 0.20 \text{ lb/MMBTU}$  heat input (expressed as NO<sub>2</sub>), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)(1)(ii)]
- 223 [40 CFR 60.44b(a)(1)(ii)] Which Months: All Year Statistical Basis: Thirty-day rolling average  
Opacity  $\leq 20$  percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 224 [LAC 33.III.1101.B] Which Months: All Year Statistical Basis: None specified  
Total suspended particulate  $\leq 0.6 \text{ lb/MMBTU}$  of heat input.

- 225 [LAC 33.III.1313.C] Which Months: All Year Statistical Basis: None specified  
Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33.III.1503.
- 226 [LAC 33.III.1503.C] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 227 [LAC 33.III.2115.K] Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance.
- 228 [LAC 33.III.501.C.6] Hydrogen sulfide  $\leq 25 \text{ ppmv}$ , annual average. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- 229 [LAC 33.III.509] Which Months: All Year Statistical Basis: Annual average  
Nitrogen dioxide  $\leq 0.04 \text{ lb/MMBTU}$  3-hour average. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]
- 230 [LAC 33.III.509] Which Months: All Year Statistical Basis: Three-hour average

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0202 16-08, GME Boiler No. 1**

Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting the GME Boiler No. 1, Emission Point 16-08, for opacity on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9. Visible emissions will be considered a violation of the 20% opacity limit. Records of visible emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible emissions were detected, a record and results of any Method 9 testing conducted, and a record of any corrective actions taken. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509, 40 CFR 52.21]

VOC, Total <= 0.0015 lb/MMBTU, 3-hour average. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Three-hour average

**EQT0204 18-08, GME Thermal Oxidizer No. 1**

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air.

Subpart J. [40 CFR 60.105(a)(3)]

Which Months: All Year Statistical Basis: None specified

Discharge or cause the discharge of any gases from a oxidation control unit of a sulfur recovery plant containing Sulfur dioxide > 250 ppm dry basis, 0% excess air. Subpart J. [40 CFR 60.104(a)(i), 40 CFR 60.105(e)(4)]

Which Months: All Year Statistical Basis: Twelve-hour average

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements of NESHAP, 40 CFR 1574(f) and operate at all times according to the procedures in the plan. Subpart UUU. [40 CFR 63.1568(a)(3)]

Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 30 that applies to you according to the procedures in 40 CFR 63 Subpart UUU Table 32. Subpart UUU. [40 CFR 63.1568(b)(3)]

Demonstrate initial compliance with the work practice standard in 40 CFR 63.1568(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1568(b)(6)]

Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1568(b)(7)]

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63.1568(b). Subpart UUU. [40 CFR 63.1568(b)]

Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]

Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1568(a)(3) by complying with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1568(c)(2)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
**Activity Number:** PER20080016  
**Permit Number:** 3039-V4  
**Air - Title V Regular Permit Minor Mod**

**EQT0204 18-08, GME Thermal Oxidizer No. 1**

- Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour. Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]
- Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]
- Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]
- Bypass lines: If applicable, conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]
- Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]
- Demonstrate initial compliance with the work practice standard in 40 CFR 63.1569(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1569(b)(3)]
- Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1569(b)(4)]
- Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]
- Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(2)]
- Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]
- If applicable, be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(b)]
- Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- Develop and implement a written startup, shutdown; and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3) Subpart UUU. [40 CFR 63.1570(d)]
- Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]

**SPECIFIC REQUIREMENTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3D39-V4**  
**Air - Title V Regular Permit Minor Mod**

**EQT0204 18-08, GME Thermal Oxidizer No. 1**

- 262 [40 CFR 63.1574(f)] Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xi). Subpart UUU. [40 CFR 63.1574(f)]
- 263 [40 CFR 63.1575] Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU.
- 264 [40 CFR 63.1576] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU.
- 265 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 266 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 267 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 268 [LAC 33:III.1503.C] Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.
- 269 [LAC 33:III.509] Degassing of the liquid sulfur product upstream of the Sulfur Pit as H<sub>2</sub>S is limited to Hydrogen sulfide <= 15 ppmv and recycling of the Sulfur Pit emissions to the SRU inlet. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 270 [LAC 33:III.509] Which Months: All Year Statistical Basis: None specified Emissions from the TGTU shall be controlled by maintaining an optimized air-fuel ratio which is considered as BACT for PM10, CO, NO<sub>x</sub>, and VOC. NO<sub>x</sub> and VOC emissions are limited to 0.20 lb/MM BTU and 0.0004 lb/MM BTU, respectively. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 271 [LAC 33:III.509] Sulfur dioxide <= 93.41 ppmdv @ 0% excess air at the TGTU exhaust outlet. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]
- 272 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: Annual average Emits Class III toxic air pollutants. No MACT required.

**EQT0205 19-08, GME Thermal Oxidizer No. 2**

- 273 [40 CFR 52.21] Sulfur dioxide <= 93.41 ppmdv @ 0% excess air at the TGTU exhaust outlet. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]  
 Which Months: All Year Statistical Basis: Annual average

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

EQT0205 19-08, GME Thermal Oxidizer No. 2

- Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air.
- Subpart J. [40 CFR 60.105(a)(3)]  
 Which Months: All Year Statistical Basis: None specified  
 Discharge or cause the discharge of any gases from a oxidation control unit of a sulfur recovery plant containing Sulfur dioxide > 250 ppm dry basis, 0% excess air. Subpart J. [40 CFR 60.104(a)(i), 40 CFR 60.105(e)(4)]
- Which Months: All Year Statistical Basis: Twelve-hour average  
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.  
 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.
- Permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements of NESHAP, 40 CFR 1574(f) and operate at all times according to the procedures in the plan. Subpart UUU. [40 CFR 63.1568(a)(3)]
- Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 30 that applies to you according to the procedures in 40 CFR 63 Subpart UUU Table 32. Subpart UUU. [40 CFR 63.1568(b)(3)]
- Demonstrate initial compliance with the work practice standard in 40 CFR 63.1568(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1568(b)(6)]
- Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1568(b)(7)]
- Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63.1568(b). Subpart UUU. [40 CFR 63.1568(b)]
- Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]
- Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1568(a)(3) by complying with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1568(c)(2)]
- Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour. Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]
- Which Months: All Year Statistical Basis: None specified  
 Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]
- Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]
- Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]
- Bypass lines: If applicable, conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0205 19-08, GME Thermal Oxidizer No. 2**

- 291 [40 CFR 63.1569(b)(2)]  
Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]
- 292 [40 CFR 63.1569(b)(3)]  
Demonstrate initial compliance with the work practice standard in 40 CFR 63.1569(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1569(b)(3)]
- 293 [40 CFR 63.1569(b)(4)]  
Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1569(b)(4)]
- 294 [40 CFR 63.1569(c)(1)]  
Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]
- 295 [40 CFR 63.1569(c)(2)]  
Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(2)]
- 296 [40 CFR 63.1570(a)]  
If applicable, be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]
- 297 [40 CFR 63.1570(b)]  
Be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(b)]
- 298 [40 CFR 63.1570(c)]  
Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- 299 [40 CFR 63.1570(d)]  
Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]
- 300 [40 CFR 63.1570(f)]  
Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- 301 [40 CFR 63.1574(a)]  
Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- 302 [40 CFR 63.1574(d)]  
Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- 303 [40 CFR 63.1574(f)]  
Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]
- 304 [40 CFR 63.1575] **Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU.**  
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0205 19-08, GME Thermal Oxidizer No. 2**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Total suspended particulate &lt;= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III:1503.

Degassing of the liquid sulfur product upstream of the Sulfur Pit as H<sub>2</sub>S is limited to Hydrogen sulfide <= 15 ppmv and recycling of the Sulfur Pit emissions to the SRU inlet. [PSD-LA-719(M-1)]. [LAC 33:III:509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: None specified

Emissions from the TGTU shall be controlled by maintaining an optimized air-fuel ratio which has been determined to be compliance as BACT for PM10, CO, NOx, and VOC in accordance with LAC 33:III:509. NOx and VOC emissions are limited to 0.20 lb/MM BTU and 0.0004 lb/MM BTU, respectively. [PSD-LA-719(M-1)]. [LAC 33:III:509, 40 CFR 52.21]

Emiss Class III toxic air pollutants. No MACT required.

**EQT0206 20-08, GME Flare**

313 [40 CFR 60.104(a)(1)]

Fuel gas: Hydrogen sulfide &lt;= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average.

Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107.

Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2).

Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(2)]

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division : Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0206 20-08, GME Flare**

Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]

Which Months: All Year Statistical Basis: None specified

Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]

Which Months: All Year Statistical Basis: None specified

Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(ii)]

Which Months: All Year Statistical Basis: None specified

Reduce emissions of organic HAPs using a flare that meets the requirements of 40 CFR 60.18 and 40 CFR 63.11(b). Subpart CC. [PSD-LA-719]. [40 CFR 63.643(a)(1)]

Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)]

Which Months: All Year Statistical Basis: None specified

Group 1: The vent stream shall be introduced into the flame zone. Subpart CC. [40 CFR 63.644(a)(3); 40 CFR 63.643(b)]

Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours.

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J has been determined to be compliance in accordance with LAC 33:III.1503.

Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51 and LAC 33:III.2115. [LAC 33:III.2115, LAC 33:III.5109.A]

321 [40 CFR 60.18(d)]

322 [40 CFR 60.18(e)]

323 [40 CFR 60.18(f)(2)]

324 [40 CFR 63.11(b)(1)]

325 [40 CFR 63.11(b)(3)]

326 [40 CFR 63.11(b)(4)]

327 [40 CFR 63.11(b)(5)]

328 [40 CFR 63.11(b)(5)]

329 [40 CFR 63.11(b)(7)(i)]

330 [40 CFR 63.643(a)(1)]

331 [40 CFR 63.643(a)(2)]

332 [40 CFR 63.643(b)]

333 [LAC 33:III.1105]

334 [LAC 33:III.1105]

335 [LAC 33:III.1503.C]

336 [LAC 33:III.2115]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0206 20-08, GME Flare**

Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting the GME Flare, Emission Point 20-08, for opacity on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9. Visible emissions will be considered a violation of the 20% opacity limit. Records of visible emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible emissions were detected, a record and results of any Method 9 testing conducted, and a record of any corrective actions taken. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

**EQT0207 20-08 SU/SD, GME Flare Startup/Shutdown**

Permittee shall show compliance with the emission limits, as specified in this specific condition, from the Flare, Emission GME Flare, due to startup and shutdown activities at the plant when the emissions are routed to this flare. The permittee shall calculate the emissions based on each activity as referenced above. The total emissions shall not exceed for each pollutant, SO<sub>2</sub>, 7.56 tons per year (TPY); NO<sub>x</sub>, 0.62 TPY; CO, 0.15 TPY; PM10, 0.01; VOC, 2.75 TPY; Benzene, 0.30 TPY; Hydrogen sulfide, 0.01 TPY; Toluene, <0.01 TPY; n-Hexane, 0.04 TPY; and Xylene, <0.01. All the activities shall be recorded along with the corresponding calculated emissions for each month, as well as the total calculated emissions based on the activities for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total calculated emissions based on the activities above the maximum listed in this permit as referenced above for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the activities and corresponding total calculated emissions for the last twelve months shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

**EQT0208 21-08, GME Emergency Generator (Dock)**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None Specified

Total suspended particulate &lt;= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None Specified

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Use of Low Sulfur Diesel having a sulfur content of 15 ppmv or less is considered as BACT. [PSD-LA-719(M-1)]. [LAC 33:II.509, 40 CFR 52.21]

**EQT0209 22-08, GME Emergency Generator (Tank Farm)**

**SPECIFIC REQUIREMENTS****A ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0209 22-08, GME Emergency Generator (Tank Farm)**

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

- Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.  
 Use of Low Sulfur Diesel having a sulfur content of 15 ppm or less is considered as BACT. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**EQT0210 23-08, GME Platformer Regenerator Vent**

- Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1567(b)(6)]  
 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1567(a)(3) by maintaining records to document conformance with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1567(c)(2)]  
 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1567(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1567(c)(2)]  
 Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour.  
 Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]  
 Which Months: All Year Statistical Basis: None specified  
 Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]  
 Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]  
 Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]  
 Bypass lines (If Option 5 of Table 36 is Applicable): Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]  
 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]  
 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0210 23-08, GME Platformer Regenerator Vent**

- 357 [40 CFR 63.1570(a)] Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU [40 CFR 63.1570(a)]
- If applicable, be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU [40 CFR 63.1570(b)]
- 358 [40 CFR 63.1570(b)] Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- 359 [40 CFR 63.1570(c)] Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU [40 CFR 63.1570(d)]

- Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]
- 361 [40 CFR 63.1570(f)] Submit compliance status report. Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU.

- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU.
- Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU has been determined to be compliance with BACT for Organic and Inorganic HAPs in accordance with LAC 33:III.509. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**EQT0211 24-08, GME Cooling Tower No. 1**

- 368 [40 CFR 52.21] Drift rate specified for control of Particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate which is considered as BACT. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified
- Monthly monitoring of the Heat Exchanger/Cooling Tower for VOC has been determined to be compliance with BACT for controlling VOC emissions from the Cooling Tower in accordance with LAC 33:III.509. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21, 40 CFR 63.104(b)(1)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0212 31-08, GME Coke Stockpile**

370 [LAC 33:III.1311.B]

Total suspended particulate <= 79.97 lb/hr. The rate of emission shall be the total of all emission points from the source as per Table 3 of LAC 33:III.1321.

Which Months: All Year Statistical Basis: None specified  
 Permittee shall enclose the conveyors, transfer points, coke crusher area, and barge loading area to the maximum extent possible and maintain a minimum moisture content of 8 percent for the petroleum coke as BACT. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

**EQT0213 32-08, GME Cooling Tower No. 2**

372 [40 CFR 52.21]

Drift rate specified for control of Particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate which is considered as BACT. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified  
 Monthly monitoring of the Heat Exchanger/Cooling Tower for VOC has been determined to be compliance with BACT for controlling VOC emissions from the Cooling Tower in accordance with LAC 33:III.509. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21, 40 CFR 63.104(b)(1)]

**EQT0214 33A-08, GME A Coker Drum Vent**

374 [LAC 33:III.2115.B]

Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.2115.

**EQT0215 33B-08, GME B Coker Drum Vent**

375 [40 CFR 63.643(b)]

Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with LAC 33:III.Chapter 51. [40 CFR 63.643(b), LAC 33:III.5109.A]

**EQT0247 1-07, Gasoline Storage Tank**

376 [LAC 33:III.2103.A]

Equip with a submerged fill pipe.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**EQT0248 2-07, Gasoline Storage Tank**

379 [LAC 33:III.2103.A]

Equip with a submerged fill pipe.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**EQT0250 1-09, SU U212 Splitter Reboiler Heater (257-1401)**

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Shall not burn gas that contains H<sub>2</sub>S in fuel gases in excess of 162 ppmv determined hourly on a three-hour rolling average and 60 ppmv determined on a 365 day rolling average. Subpart Ja. [40 CFR 60.102(g)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Limit the NOx emissions to 40 ppmv (dry basis, corrected to 0 percent excess air) on a 24-hour rolling average. Subpart Ja. [40 CFR 60.102a(g)(2)]

Which Months: All Year Statistical Basis: None specified  
 Shall determine compliance with SO<sub>2</sub> and NOx emissions limits in accordance with NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.104a(i)]  
 Shall comply with the notification, recordkeeping, and reporting requirements in accordance with 40 CFR 60.7 and other requirements as specified in 40 CFR 60.108a. Subpart Ja.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja has been determined to be compliance in accordance with LAC 33:III.1101.B

**EQT0251 2-09, SU U12 Splitter Reboiler Heater (257-1402)**

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Shall not burn gas that contains H<sub>2</sub>S in fuel gases in excess of 162 ppmv determined hourly on a three-hour rolling average and 60 ppmv determined on a 365 day rolling average. Subpart Ja. [40 CFR 60.102(g)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Limit the NOx emissions to 40 ppmv (dry basis, corrected to 0 percent excess air) on a 24-hour rolling average. Subpart Ja. [40 CFR 60.102a(g)(2)]

Which Months: All Year Statistical Basis: None specified  
 Shall determine compliance with SO<sub>2</sub> and NOx emissions limits in accordance with NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.104a(i)]  
 Shall comply with the notification, recordkeeping, and reporting requirements in accordance with 40 CFR 60.7 and other requirements as specified in 40 CFR 60.108a. Subpart Ja.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

382 [40 CFR 60.102a(g)(1)(ii)]

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Shall not burn gas that contains H<sub>2</sub>S in fuel gases in excess of 162 ppmv determined hourly on a three-hour rolling average and 60 ppmv determined on a 365 day rolling average. Subpart Ja. [40 CFR 60.102(g)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Limit the NOx emissions to 40 ppmv (dry basis, corrected to 0 percent excess air) on a 24-hour rolling average. Subpart Ja. [40 CFR 60.102a(g)(2)]

Which Months: All Year Statistical Basis: None specified  
 Shall determine compliance with SO<sub>2</sub> and NOx emissions limits in accordance with NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.104a(i)]  
 Shall comply with the notification, recordkeeping, and reporting requirements in accordance with 40 CFR 60.7 and other requirements as specified in 40 CFR 60.108a. Subpart Ja.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

383 [40 CFR 60.102a(g)(2)]

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Shall not burn gas that contains H<sub>2</sub>S in fuel gases in excess of 162 ppmv determined hourly on a three-hour rolling average and 60 ppmv determined on a 365 day rolling average. Subpart Ja. [40 CFR 60.102(g)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Limit the NOx emissions to 40 ppmv (dry basis, corrected to 0 percent excess air) on a 24-hour rolling average. Subpart Ja. [40 CFR 60.102a(g)(2)]

Which Months: All Year Statistical Basis: None specified  
 Shall determine compliance with SO<sub>2</sub> and NOx emissions limits in accordance with NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.104a(i)]  
 Shall comply with the notification, recordkeeping, and reporting requirements in accordance with 40 CFR 60.7 and other requirements as specified in 40 CFR 60.108a. Subpart Ja.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

384 [40 CFR 60.104a(i)]

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Shall not burn gas that contains H<sub>2</sub>S in fuel gases in excess of 162 ppmv determined hourly on a three-hour rolling average and 60 ppmv determined on a 365 day rolling average. Subpart Ja. [40 CFR 60.102(g)(1)(ii)]

Which Months: All Year Statistical Basis: Three-hour rolling average  
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Limit the NOx emissions to 40 ppmv (dry basis, corrected to 0 percent excess air) on a 24-hour rolling average. Subpart Ja. [40 CFR 60.102a(g)(2)]

Which Months: All Year Statistical Basis: None specified  
 Shall determine compliance with SO<sub>2</sub> and NOx emissions limits in accordance with NSPS, 40 CFR 60, Subpart Ja. [40 CFR 60.104a(i)]  
 Shall comply with the notification, recordkeeping, and reporting requirements in accordance with 40 CFR 60.7 and other requirements as specified in 40 CFR 60.108a. Subpart Ja.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

TP0R0147

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0251 2-09, SU U12 Splitter Reboller Heater (257-1402)**

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Ja has been determined to be compliance in accordance with LAC 33:III.1503.

**EQT0252 3-09, SU Plant Inventory Tank (257-1902)**

- 396 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 397 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]
- 398 [40 CFR 60.112b(a)(1)(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- 399 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]
- 400 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER200B0016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0252 3-09, SU Plant Inventory Tank (257-1902)**

- 402 [40 CFR 60.113b(a)(2)] If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- 403 [40 CFR 60.113b(a)(2)] Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- 404 [40 CFR 60.113b(a)(3)(i)] Which Months: All Year Statistical Basis: None specified Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]
- 405 [40 CFR 60.113b(a)(3)(ii)] Which Months: All Year Statistical Basis: None specified Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- 406 [40 CFR 60.113b(a)(4)] Which Months: All Year Statistical Basis: None specified If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 407 [40 CFR 60.113b(a)(4)] Which Months: All Year Statistical Basis: None specified Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- 408 [40 CFR 60.113b(a)(5)] Which Months: All Year Statistical Basis: None specified Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- 409 [40 CFR 60.115b(a)(1)] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-Y4

Air - Title V Regular Permit Minor Mod

**EQT0252 3-09, SU Plant Inventory Tank (257-1902)**

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.113b(a)(2)]

Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.113b(a)(3)]

Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.113b(a)(4)]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116(b)]

VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116(d)] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]

Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart G and 40 CFR 61, Subpart Y. [40 CFR 61.271, 40 CFR 63.119-121] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

410 [40 CFR 60.115b(a)(2)]

411 [40 CFR 60.115b(a)(3)]

412 [40 CFR 60.115b(a)(4)]

413 [40 CFR 60.116b(b)]

414 [40 CFR 60.116b(c)]

415 [40 CFR 60.116b(d)]

416 [40 CFR 60.116b(f)(1)]

417 [40 CFR 60.116b(f)(2)]

418 [40 CFR 61.271]

419 [40 CFR 63.646(a)]

420 [40 CFR 63.646(f)(1)]

421 [40 CFR 63.646(f)(2)]

422 [40 CFR 63.646(f)(3)]

423 [40 CFR 63.654(h)(2)(i)]

**SPECIFIC REQUIREMENTS****All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0252 3-09, SU Plant Inventory Tank (257-1902)**

- 424 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 425 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 426 [LAC 33:III.5109.A.1] Compliance with NESHAP 40 CFR 63 Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

**EQT0253 4-09, Benzene Day Tank (257-1903)**

- 427 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 428 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]
- 429 [40 CFR 60.112b(a)(1)(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- 430 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]
- 431 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]
- 432 [40 CFR 60.1136(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0253 4-09, Benzene Day Tank (257-1903)**

- If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(3)(iii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0253 4-09, Benzene Day Tank (257-1903)**

- 441 [40 CFR 60.115b(a)(2)] Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 442 [40 CFR 60.115b(a)(3)] Submit a report. Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 443 [40 CFR 60.115b(a)(4)] Submit a report. Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- 444 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 445 [40 CFR 60.116b(c)] VOC storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 446 {40 CFR 60.116b(d)} Submit notification. Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
- 447 [40 CFR 60.116b(f)(1)] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 448 [40 CFR 60.116b(f)(2)] Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
- 449 [40 CFR 61.271] Which Months: All Year Statistical Basis: None specified Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart G and 40 CFR 61, Subpart Y. [40 CFR 61.271, 40 CFR 63.119-121]
- 450 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 451 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 452 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 453 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 454 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-Y4

Air - Title V Regular Permit Minor Mod

**EQT0253 4-09, Benzene Day Tank (257-1903)**

- 455 [40 CFR 63.654(h)(2)(iii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)(i)] Equip with a submerged fill pipe.
- 457 [LAC 33:III.2103.B] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 458 [LAC 33:III.2103.C] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3 a-e.
- 459 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 460 [LAC 33:III.2103.I] Compliance with NESHAP 40 CFR 63 Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

**EQT0254 5-09, Benzene Day Tank (257-1904)**

- 462 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- 463 [40 CFR 60.112b(a)(1)(ii)(A)] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(i)(A)]
- 464 [40 CFR 60.112b(a)(1)(ii)(B)] Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- 465 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

**SPECIFIC REQUIREMENTS****AI ID: 3465 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0254 5-09, Benzene Day Tank (257-1904)**

466 [40 CFR 60.112(b)(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112(b)(a)(1)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

Which Months: All Year Statistical Basis: None specified

If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days.

If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified

Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(i)]

Which Months: All Year Statistical Basis: None specified

Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

467 [40 CFR 60.113b(a)(1)]

468 [40 CFR 60.113b(a)(2)]

469 [40 CFR 60.113b(a)(2)]

470 [40 CFR 60.113b(a)(3)(i)]

471 [40 CFR 60.113b(a)(3)(ii)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0254 5-09, Benzene Day Tank (257-1904)**

472 [40 CFR 60.113b(a)(4)]

If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

60.113b(a)(4)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified

Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
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 Air - Title V Regular Permit Minor Mod

**EQT0254 5-09, Benzene Day Tank (257-1904)**

- VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years.
- Subpart Kb. [40 CFR 60.116b(c)]  
 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]  
 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]  
 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
- Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliant with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart G and 40 CFR 61, Subpart Y. [40 CFR 61.271, 40 CFR 63.119-21]  
 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]  
 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]  
 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]  
 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]  
 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.646(f)(1)]  
 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]  
 Equip with a submerged fill pipe.  
 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.  
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.  
 Compliance with NESHAP 40 CFR 63 Subpart CC has been determined to be compliant with MACT in accordance with LAC 33:III.5109.A.2.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0255 6-09, SU Stop Charge Tank (257-1905)**

- Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]
- Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]
- Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]
- Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]
- Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- Subpart Kb. [40 CFR 60.112b(a)(1)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****EQT0255 6-09, SU Slop Charge Tank (257-1905)**

- Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination once every five years as specified in 40 CFR 60.113b(a)(4). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Tank roof and seals monitored by visual inspection/determination annually as specified in 40 CFR 60.113b(a)(2). Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(3)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]
- Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

**EQT0255 6-09, SU Slop Charge Tank (257-1905)**

- 513 [40 CFR 60.115b(a)(4)]  
 Submit a report. Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3), and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]  
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 515 [40 CFR 60.116b(c)]  
 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 516 [40 CFR 60.116b(d)]  
 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]  
 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]  
 Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]
- 517 [40 CFR 60.116b(f)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR 63, Subpart G and 40 CFR 61, Subpart Y. [40 CFR 61.271, 40 CFR 63.119-121]  
 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 518 [40 CFR 60.116b(f)(1)]  
 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 519 [40 CFR 61.271]
- 520 [40 CFR 63.646(e)]  
 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]  
 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]  
 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.634(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.634(h)(2)(i)]  
 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.634(h)(2)(ii)]  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]  
 Equip with a submerged fill pipe.
- 521 [40 CFR 63.646(f)(1)]
- 522 [40 CFR 63.646(f)(2)]
- 523 [40 CFR 63.646(f)(3)]
- 524 [40 CFR 63.654(h)(2)(i)]
- 525 [40 CFR 63.654(h)(2)(ii)]
- 526 [40 CFR 63.654(i)(1)]
- 527 [LAC 33:II.2103.B]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**EQT0255 6-09, SU Stop Charge Tank (257-1905)**

Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a.e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

Compliance with NESHPAP 40 CFR 63 Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

**EQT0256 SUMPV, SU Miscellaneous Process Vents**

Group I: Introduce organic HAP vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. Subpart CC. [40 CFR 63.643(b)]

Group I Miscellaneous Process Vents from the Sulfolane Unit are routed to U212 Splitter Reboiler Heater, Emission Point 1-09, and/or the U12 Splitter Reboiler Heater, Emission Point 2-09.

Group I: Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart CC. [40 CFR 63.644(c)(2)]  
Which Months: All Year Statistical Basis: None specified

**FUG0053 Unit 205 Fug., GME Delayed Coker Unit Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHPAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 60.590, LAC 33:III.2121, LAC 33:III.5(09.A, 40 CFR 63.648)]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0054 Unit 205A Fug., GME Coker Gas Plant Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHPAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

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Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0055 Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0056 Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0057 Unit 212 Fug., GME CCR Platformer Unit Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

Activity Number: PER20080016

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Air - Title V Regular Permit Minor Mod

**FUG0057 Unit 212 Fug., GME CCR Platformer Unit Fugitives**

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)] [LAC 33:III.509, 40 CFR 52.21]

**FUG0058 Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.  
 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)] [LAC 33:III.509, 40 CFR 52.21]

**FUG0059 Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives**

Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]  
 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]  
 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]  
 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]  
 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)] [LAC 33:III.509, 40 CFR 52.21]

**FUG0060 Unit 215 Fug., GME Hydrocracker Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]  
 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****FUG0060 Unit 215 Fug., GME Hydrocracker Fugitives**

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0061 Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives**

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0062 Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives**

Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0063 Unit 222 Fug., GME Saturates Gas Plant Fugitives**

Compliance with all the applicable requirements of LAC 33:III Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries, and LAC 33 III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0064 Unit 222A Fug., GME Sat Propane Merox Unit Fugitives**

573	[40 CFR 60.592(a)]	Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
574	[40 CFR 60.592(d)]	Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
575	[40 CFR 60.592(e)]	Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
576	[LAC 33:III.21(1)]	Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
577	[LAC 33:III.21(2)]	Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.21(2) - Fugitive Emission Control. [LAC 33:III.21(2), 40 CFR 60.590]
578	[LAC 33:III.509]	Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0065 Unit 222B Fug., GME Sat Butane Merox Unit Fugitives**

579	[40 CFR 60.592(a)]	Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
580	[40 CFR 60.592(d)]	Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
581	[40 CFR 60.592(e)]	Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
582	[LAC 33:III.21(1)]	Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
583	[LAC 33:III.21(2)]	Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.21(2) - Fugitive Emission Control. [LAC 33:III.21(2), 40 CFR 60.590]
584	[LAC 33:III.509]	Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0066 Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives**

585	[40 CFR 60.592(u)]	Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(u)]
586	[40 CFR 60.592(d)]	Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
587	[40 CFR 60.592(e)]	Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
588	[LAC 33:III.21(1)]	Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
589	[LAC 33:III.21(2)]	Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.21(2) - Fugitive Emission Control. [LAC 33:III.21(2), 40 CFR 60.590]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****FUG0066 Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives**

590 [LAC 33.III.509]

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.2.]

**FUG0067 Unit 233 Fug., GME Sour Water Stripper Unit Fugitives**

591 [40 CFR 60.592(a)]

Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

592 [40 CFR 60.592(d)]  
593 [40 CFR 60.592(e)]  
594 [LAC 33.III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33.III.2121, 40 CFR 60.590]

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.2.]

**FUG0068 Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives**

597 [LAC 33.III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.2.]

**FUG0069 Unit 241 Fug., GME Intermediate Product Unit Fugitives**

599 [40 CFR 63.648]

Compliance with all the applicable requirements of LAC 33.III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33.III.5109.A, LAC 33.III.2121, 40 CFR 60.590]

600 [LAC 33.III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.2.]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0070 Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives**

- 602 [40 CFR 60.592(a)] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 603 [40 CFR 60.592(d)] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 604 [40 CFR 60.592(e)] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 605 [LAC 33:III.21(1)] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 606 [LAC 33:III.21(2)] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.21(2) - Fugitive Emission Control. [LAC 33:III.21(2), 40 CFR 60.590]
- 607 [LAC 33:III.509] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0071 Unit 247 Fug., GME Amine Regeneration Unit Fugitives**

- 608 [40 CFR 60.592(a)] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 609 [40 CFR 60.592(d)] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 610 [40 CFR 60.592(e)] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 611 [LAC 33:III.21(1)] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 612 [LAC 33:III.21(2)] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.21(2) - Fugitive Emission Control. [LAC 33:III.21(2), 40 CFR 60.590]
- 613 [LAC 33:III.509] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0072 Unit 250 Fug., GME Marine Loading Dock No. 4 Unit Fugitives**

- 614 [40 CFR 63.648] Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.21(2) - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.21(2), 40 CFR 60.590]
- 615 [LAC 33:III.21(1)] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 616 [LAC 33:III.509] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****FUG0073 Unit 250A Fug., GME Marine Vapor Combustor Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, 40 CFR 63, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Standards of Performance fro Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.5109.4, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21.]

**FUG0074 Unit 259 Fug., GME Flare System Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, 40 CFR 63, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Standards of Performance fro Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21.]

**FUG0075 Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives**

620 [40 CFR 63.648] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

621 [LAC 33:III.2111] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

622 [LAC 33:III.509] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

623 [40 CFR 60.592(a)] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]

624 [40 CFR 60.592(d)] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21.]

**FUG0076 Unit 263 Fug., GME Interconnecting Pipeway Fugitives**

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****FUG0076 Unit 263 Fug., GME Interconnecting Pipeway Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63:648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0077 Unit 265 Fug., GME Truck Rack Fugitives**

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.

Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.

Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.

Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).

Which Months: All Year Statistical Basis: None specified

629 [40 CFR 63.648]

630 [LAC 33:III.2111]

631 [LAC 33:III.509]

632 [LAC 33:III.2111]

633 [LAC 33:III.2121.B.1]

634 [LAC 33:III.2121.B.2]

635 [LAC 33:III.2121.B.3]

636 [LAC 33:III.2121.C.1.a.ii]

637 [LAC 33:III.2121.C.1.a.iii]

638 [LAC 33:III.2121.C.1.b.ii]

639 [LAC 33:III.2121.C.1.b.ii]

640 [LAC 33:III.2121.C.1.b.ii]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20080016  
 Permit Number: 3039-V4  
 Air - Title V Regular Permit Minor Mod

**FUG0077 Unit 265 Fug., GME Truck Rack Fugitives**

Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).

Which Months: All Year Statistical Basis: None specified

Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.

Which Months: All Year Statistical Basis: None specified

Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).

Which Months: All Year Statistical Basis: None specified

Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.

Which Months: All Year Statistical Basis: None specified

When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.

Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.

Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division.

Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.

Permittee shall comply with the most stringent regulation, program and the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21]

**FUG0078 Unit 267 Fug., GME Blending Facilities Fugitives**

Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG -

Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

641 [LAC 33:III.2121.C.1.b.iii]

642 [LAC 33:III.2121.C.1.c]

643 [LAC 33:III.2121.C.3.a]

644 [LAC 33:III.2121.C.3.b]

645 [LAC 33:III.2121.C.4.c]

646 [LAC 33:III.2121.C.4.c]

647 [LAC 33:III.2121.E.1]

648 [LAC 33:III.2121.E]

649 [LAC 33:III.2121.F]

650 [LAC 33:III.509]

651 [40 CFR 63.648]

652 [LAC 33:III.2111]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0078 Unit 267 Fug., GME Blending Facilities Fugitives**

653 [LAC 33.III.509] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]

**FUG0079 Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives**

- 654 [40 CFR 63.648] Compliance with all the applicable requirements of LAC 33.III.Chapter 51 - Louisiana MAC/CT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33.III.5109.A, LAC 33.III.2121, 40 CFR 60.590]
- 655 [LAC 33.III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 656 [LAC 33.III.509] Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719(M-1)]. [LAC 33.III.509, 40 CFR 52.21]

**FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

- 657 [40 CFR 63.162(c)] Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 658 [40 CFR 63.162(l)] Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 659 [40 CFR 63.163(b)(1)] Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I), 5,000 ppm (phase II), or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- 660 [40 CFR 63.163(b)(3)] Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- 661 [40 CFR 63.163(c)] Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****FUG0088 Unit 257 Fug., Suffolane Unit 257 Fugitives**

- Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]

Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]

Which Months: All Year Statistical Basis: None specified  
 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]

Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]

Compressors: Ensure that the barrier fluid is not in liquid service. Subpart H. [40 CFR 63.164(c)]

Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]

Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]

Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]

Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]

Which Months: All Year Statistical Basis: None specified  
 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.

Which Months: All Year Statistical Basis: None specified  
 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]

Which Months: All Year Statistical Basis: None specified  
 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

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Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]

Which Months: All Year Statistical Basis: None specified

Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]

Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.

Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.

Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b), or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]

Which Months: All Year Statistical Basis: None specified

684 [40 CFR 63.165(b)(2)]

Valves in gas/vapor service or light liquid service (Phase I, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]

685 [40 CFR 63.165(d)(2)]

Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

686 [40 CFR 63.166]

Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b), or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]

687 [40 CFR 63.167]

Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]

688 [40 CFR 63.168(c)]

Valves in gas/vapor service or light liquid service (Phase I, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

689 [40 CFR 63.168(c)]

Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

690 [40 CFR 63.168(d)(1)]

Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b), or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]

691 [40 CFR 63.168(d)(2)]

Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]

692 [40 CFR 63.168(e)(1)]

Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

693 [40 CFR 63.168(f)(3)]

Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]

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694 [40 CFR 63.168(i)]

Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]

695 [40 CFR 63.168(h)(1)]

Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]

696 [40 CFR 63.168(h)(2)]

Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]

Which Months: All Year Statistical Basis: None specified

Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]

697 [40 CFR 63.168(i)(1)]

Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]

698 [40 CFR 63.168(i)(3)]

Which Months: All Year Statistical Basis: None specified Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]

699 [40 CFR 63.169(a)]

Which Months: All Year Statistical Basis: None specified Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

700 [40 CFR 63.169(c)]

Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the requirements of 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

701 [40 CFR 63.172(i)]

Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(h)(1)(i)]

702 [40 CFR 63.172(i)(1)(i)]

Which Months: All Year Statistical Basis: None specified Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(h)(1)(ii)]

703 [40 CFR 63.172(i)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
**Activity Number: PER20080016**  
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**Air - Title V Regular Permit Minor Mod**

**FUG0088 Unit 257 Fug., Suffolane Unit 257 Fugitives**

- Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(ii)]
- Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
- Which Months: All Year Statistical Basis: None specified
- Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
- Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- Which Months: All Year Statistical Basis: None specified
- Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
- Which Months: All Year Statistical Basis: None specified
- Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]

Which Months: All Year Statistical Basis: None specified

Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]

Which Months: All Year Statistical Basis: None specified

Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]

Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]

Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]

Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]

Which Months: All Year Statistical Basis: None specified

Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]

Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]

716 [40 CFR 63.173(a)]

717 [40 CFR 63.173(b)]

718 [40 CFR 63.173(c)]

719 [40 CFR 63.173(d)(1)]

720 [40 CFR 63.173(d)(2)]

721 [40 CFR 63.173(d)(3)]

722 [40 CFR 63.173(d)(4)]

723 [40 CFR 63.173(d)(6)(i)]

724 [40 CFR 63.173(d)(6)]

**SPECIFIC REQUIREMENTS****AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-Y4****Air - Title V Regular Permit Minor Mod****FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]

Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]

Which Months: All Year Statistical Basis: None specified

Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]

Which Months: All Year Statistical Basis: None specified  
 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]

Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]

Which Months: All Year Statistical Basis: None specified  
 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]

Which Months: All Year Statistical Basis: None specified  
 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63. Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]

Which Months: All Year Statistical Basis: None specified  
 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]

Which Months: All Year Statistical Basis: None specified

725 [40 CFR 63.173(d)]

727 [40 CFR 63.173(h)(1)]

728 [40 CFR 63.173(h)(3)]

729 [40 CFR 63.173(j)(1)]

730 [40 CFR 63.173(j)(2)]

731 [40 CFR 63.174(b)(1)]

732 [40 CFR 63.174(b)(2)]

733 [40 CFR 63.174(b)(3)(i)]

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

- Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified  
Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified  
Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169.
- Subpart H. [40 CFR 63.174(c)(2)(i)]
- Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified  
Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified  
Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**FUG0088 Unit 257 Fug., Sulfolane Unit 257 Fugitives**

- 746 [40 CFR 63.182(b)]  
 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 747 [40 CFR 63.182(b)]  
 Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 748 [40 CFR 63.182(b)]  
 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 749 [40 CFR 63.182(c)]  
 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 750 [40 CFR 63.182(d)]  
 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 751 [40 CFR 63.648]  
 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart H has been determined to be compliance with all the applicable requirements in accordance with NESHAP, 40 CFR, Subpart CC and Subpart V; NSPS, 40 CFR 60, Subpart GGCa; and LAC 33:III.5109.A. [40 CFR 63.648, 40 CFR 63.160(i)(2), 40 CFR 60.590a, LAC 33:III.5109.A, LAC 33:III.2121.B]
- 752 [LAC 33:III.2111]  
 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**GRP0028 GME Fugitive Cap**

- Group Members: FUG0053 FUG0054 FUG0055 FUG0056 FUG0057 FUG0058 FUG0059 FUG0060 FUG0061 FUG0062 FUG0063 FUG0064 FUG0065 FUG0066 FUG0067 FUG0068 FUG0069 FUG0070 FUG0071 FUG0072 FUG0073 FUG0074 FUG0075 FUG0076 FUG0077 FUG0078 FUG0079

753 [40 CFR 52.21]  


Permittee shall show compliance with the limits of this permit by maintaining the sum of the emissions (VOC, 320.71 TPY and SO2, 0.07 TPY) of the fugitive emission points listed below to no more than the emission limits listed in GME Fugitive Cap, GRP028. The sum of the fugitive emissions shall be calculated and recorded each month, as well as the sum of the fugitive emissions for the last twelve months. These records, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The sum if the fugitive emissions above the maximum listed in this cap, GRP028, for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the sum of the fugitive emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points FUG52 thru FUG79. [40 CFR 52.21, LAC 33:III.509, LAC 33:III.501.C.6]

**GRP0029 GME Heater/Boiler Cap**

- Group Members: EQT0185 EQT0186 EQT0187 EQT0188 EQT0189 EQT0190 EQT0191 EQT0192 EQT0193 EQT0195 EQT0196 EQT0197 EQT0198 EQT0199 EQT0201 EQT0202

**SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

Permit Number: 3039-V4

Air - Title V Regular Permit Minor Mod

**GRP0029 GME Heater/Boiler Cap**

754 [LAC 33:III.501.C.6] Permittee shall continuously monitor the heat input to the individual equipment (boilers, heaters, and reboilers) referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment, the permittee shall calculate emissions for each equipment. The total heat input to all the equipment shall not exceed 3475.42 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the equipment shall not exceed PM10, 113.42 tons per year (TPY); SO<sub>2</sub>, 160.86 TPY; NO<sub>x</sub>, 381.44 TPY; CO, 326.85 TPY; and VOC, 22.83 TPY. Emissions from these equipment shall be reported under an emission cap, Emission Point GME HBC (GRP029). The total heat input and the calculated emissions of the individual equipment shall be recorded each month, as well as the heat input and the total calculated emissions for all the equipment for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1-08 thru 6-08, 7A-08, 7B-08, 7C-08, 9-08 thru 13-08, 15-08, and 16-08. [LAC 33:III.501.C.6, 40 CFR 52.21, LAC 33:III.509]

**GRP0030 GME Thermal Oxidizer Cap**

Group Members: EQT0204 EQT0205

755 [40 CFR 52.21] Permittee shall continuously monitor the heat input to the thermal oxidizers referenced in this specific condition. Based on the monitored heat input and individual emission factors for each thermal oxidizer the permittee shall calculate emissions for each thermal oxidizer. The total heat input to all the thermal oxidizers shall not exceed 101.96 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the thermal oxidizers shall not exceed PM10, 3.33 tons per year (TPY); SO<sub>2</sub>, 201.83 TPY; NO<sub>x</sub>, 89.32 TPY; CO, 17.86 TPY; and VOC, 0.18 TPY. Emissions from the thermal oxidizers shall be reported under an emission cap, Emission Point GME TOC (GRP030). The total heat input and the calculated emissions of the individual thermal oxidizer shall be recorded each month, as well as the heat input and the total calculated emissions for all the thermal oxidizers for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the thermal oxidizers above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of each thermal oxidizer and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 18-08 and 19-08. [40 CFR 52.21, LAC 33:III.509, LAC 33:III.501.C.6]

**UNF0002 GME Facility**

756 [40 CFR 60.692-2(a)(1)]

Equip each drain with water seal controls. Subpart QQQ [40 CFR 60.692-2(a)(1)]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20080016

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Air - Title V Regular Permit Minor Mod

UNF0002 GME Facility

757 [40 CFR 60.692-2(a)(2)]

Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]

Which Months: All Year Statistical Basis: None specified  
Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]

Which Months: All Year Statistical Basis: None specified  
Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]

Which Months: All Year Statistical Basis: None specified  
Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]

Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]

Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]

Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]

Which Months: All Year Statistical Basis: None specified  
Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]

Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]

Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]

Which Months: All Year Statistical Basis: None specified  
Sewer lines: Make repairs as soon as practicable, but not later than [5 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]]

Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]

Equip and operate each oil-water separator tank, sump oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)( ) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]

767 [40 CFR 60.692-2(c)(3)]

768 [40 CFR 60.692-2(e)]

769 [40 CFR 60.692-3(a)]

**SPECIFIC REQUIREMENTS****All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery****Activity Number: PER20080016****Permit Number: 3039-V4****Air - Title V Regular Permit Minor Mod****UNFO002 GME Facility**

- 770 [40 CFR 60.692-3(b)] Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(b)]
- 771 [40 CFR 60.692-3(c)] Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]
- 772 [40 CFR 60.692-3(e)] Ensure that slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling slop oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Subpart QQQ. [40 CFR 60.692-3(e)]
- 773 [40 CFR 60.692-5(e)] Comply with the requirements of 40 CFR 60.18. Subpart QQQ. [40 CFR 60.692-5(e)]
- 774 [40 CFR 60.692-5(e)(1)] Closed vent system: Design and operate with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections by the methods specified in 40 CFR 60.696. Subpart QQQ. [40 CFR 60.692-5(e)(1)]
- 775 [40 CFR 60.692-5(e)(2)] Closed vent system: Purge to direct vapor to the control device. Subpart QQQ. [40 CFR 60.692-5(e)(2)]
- 776 [40 CFR 60.692-5(e)(3)] Closed vent system: Install a flow indicator on a vent stream to a control device to ensure the vapors are being routed to the device. Subpart QQQ. [40 CFR 60.692-5(e)(3)]
- 777 [40 CFR 60.692-5(e)(5)] Closed vent system: Make first efforts at repair to eliminate emissions as soon as practicable, but not later than 30 calendar days from the date emissions from a closed system are detected, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-5(e)(5)]
- 778 [40 CFR 60.695(a)(4)] Comply with the monitoring requirements of 40 CFR 60.18(f)(2). Subpart QQQ. [40 CFR 60.695(a)(4)]
- 779 [40 CFR 60.696(a)] Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- 780 [40 CFR 60.696(b)] Use 40 CFR 60, Appendix A, Method 21 to measure emission concentrations, using 500 ppm as the no detectable emission limit. Calibrate the instrument each day before using. Subpart QQQ. [40 CFR 60.696(b)]
- 781 [40 CFR 60.696(c)] Determine compliance by conducting a performance test initially, and at other times as requested by DEQ, using the test methods and procedures in 40 CFR 60.18(f). Subpart QQQ. [40 CFR 60.696(c)]
- 782 [40 CFR 60.697(a)] Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- 783 [40 CFR 60.697(b)] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
- 784 [40 CFR 60.697(c)] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]

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- Closed vent systems: Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-5(e) during which detectable emissions are measured or a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(d)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
- Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQ. Thereafter, submit a certification semimonthly that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQ. Subpart QQ. [40 CFR 60.698(b)(1)]
- Submit Performance Test Results: Due within 60 days after initial startup, as required under 40 CFR 60.8(a). Submit a report of the results of the performance test required in 40 CFR 60.696(c). Subpart QQQ. [40 CFR 60.698(b)(2)]
- Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- Submit report: Due semiannually. Submit a report containing the information specified in 40 CFR 60.698(d)(1) through (d)(3), as applicable. Subpart QQQ. [40 CFR 60.698(d)]
- All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.

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- 800 [40 CFR 70.5(a)(1)(iii)]  
 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 801 [40 CFR 70.6(a)(3)(ii)(A)]  
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 802 [40 CFR 70.6(a)(3)(ii)(B)]  
 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 803 [40 CFR 70.6(c)(5)(iv)]  
 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 804 [40 CFR 82 Subpart F]  
 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 805 [LAC 33:III.1103]  
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 806 [LAC 33:III.1109.B]  
 Outdoor burning of waste material or other combustible material is prohibited.
- 807 [LAC 33:III.1303.B]  
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 808 [LAC 33:III.1305]  
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305. A. 1-7.
- 809 [LAC 33:III.2113.A]  
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 810 [LAC 33:III.2141.A]  
 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
- 811 [LAC 33:III.2141.J]  
 Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 812 [LAC 33:III.219]  
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 813 [LAC 33:III.2901.D]  
 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

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814 [LAC 33:III.2901.F]

815 [LAC 33:III.501.C.6]

816 [LAC 33:III.509]

817 [LAC 33:III.5105.A.1]

818 [LAC 33:III.5105.A.2]

819 [LAC 33:III.5105.A.3]

820 [LAC 33:III.5105.A.4]

821 [LAC 33:III.5107.A.2]

822 [LAC 33:III.5107.A.2]

823 [LAC 33:III.5107.A]

824 [LAC 33:III.5107.B.1]

825 [LAC 33:III.5107.B.2]

826 [LAC 33:III.5107.B.3]

827 [LAC 33:III.5107.B.4]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

Permittee shall comply with all the applicable requirements of the Prevention of Significant Deterioration Permit, Permit No. PSD-LA-719 and all the applicable requirements of the Consent Decree.

Comply with the requirements of PSD-LA-719(M-1) or the current permit. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-719(M-1) or the current permit.

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51 Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.

Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Submit Annual Emissions Report (TERI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.

Submit notification in the manner provided in LAC 33:III.3923.

Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

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828 [LAC 33:III.5107.B.5]

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

829 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

830 [LAC 33:III.5109.A]

Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

831 [LAC 33:III.5109.A]

Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

832 [LAC 33:III.5109.A]

Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.

833 [LAC 33:III.5109.A]

Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.

834 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

835 [LAC 33:III.5109.A]

Compressors (scal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

836 [LAC 33:III.5109.A]

Compressors (scal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected, initiate repair provisions specified in Subsection E.8.

837 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

838 [LAC 33:III.5109.A]

Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

839 [LAC 33:III.5109.A]

Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

840 [LAC 33:III.5109.A]

Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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839 [LAC 33:III.5109.A]

Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7.

840 [LAC 33:III.5109.A]

Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

841 [LAC 33:III.5109.A]

Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.

842 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

843 [LAC 33:III.5109.A]

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements.

844 [LAC 33:III.5109.A]

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.

845 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (percent of leaking connectors  $\leq$  2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading  $\geq$  1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

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846 [LAC 33:III.5109.A]

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (percent of leaking connectors  $>$  2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading  $\geq$  1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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- Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
- Which Months: All Year Statistical Basis: None specified
- Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2.

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**All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**  
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**Permit Number: 3039-V4**  
**Air - Title V Regular Permit Minor Mod**

**UNF0002 GME Facility**

862 [LAC 33:III.5109.A]

Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Which Months: All Year Statistical Basis: None specified

Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3.

864 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.

Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.

865 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.

Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b.

866 [LAC 33:III.5109.A]

Comply with this requirement instead of the requirements in Subsection D.1.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1.

867 [LAC 33:III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b.

868 [LAC 33:III.5109.A]

Comply with this requirement instead of the requirements in Subsection D.1.

Which Months: All Year Statistical Basis: None specified

869 [LAC 33:III.5109.A]

Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4.

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871 [LAC 33:III.5109.A]

Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days.

Which Months: All Year Statistical Basis: None specified  
 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.

Which Months: All Year Statistical Basis: None specified  
 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).  
 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process.

Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

872 [LAC 33:III.5109.A]

873 [LAC 33:III.5109.A]

874 [LAC 33:III.5109.A]

875 [LAC 33:III.5109.A]

876 [LAC 33:III.5109.A]

877 [LAC 33:III.5109.A]

878 [LAC 33:III.5109.A]

879 [LAC 33:III.5109.A]

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880 [LAC 33:III.5109.A]

The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.

881 [LAC 33:III.5109.A]

VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whenever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Which Months: All Year Statistical Basis: None specified

VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.

882 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.

883 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service and in light liquid service (percent leaking valves  $\leq 2$  for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

884 [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service and in light liquid service (percent leaking valves  $\leq 2$  for two consecutive semiannual leak detection periods):

VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.

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887 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (percent leaking valves  $\geq 4$ ): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. Which Months: All Year Statistical Basis: None specified

888 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

889 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1.

890 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. Which Months: All Year Statistical Basis: None specified

891 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

892 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

893 [LAC 33:III.5109.A]

Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. Which Months: All Year Statistical Basis: None specified

894 [LAC 33:III.5109.B.]

Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.

895 [LAC 33:III.5109.B]

Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.

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- 896 [LAC 33:III.5109.C]  
 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 897 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 898 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 899 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 900 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 901 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 902 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 903 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 904 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 905 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 906 [LAC 33:III.5611.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 907 [LAC 33:III.5611.B] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 908 [LAC 33:III.5901.A] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 909 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 910 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.

Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.

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911 [LAC 33:III.5911.C]

912 [LAC 33:III.905]

913 [LAC 33:III.913]

914 [LAC 33:III.917.A]

915 [LAC 33:III.917.B]

916 [LAC 33:III.919.D]

917 [LAC 33:III.927]

918 [LAC 33:III.929.A]

**Submit amended registration:** Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and

sensing devices as may be necessary for proper determination of emission limits.

Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.

No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.

**Submit Emission Inventory (EI)/Annual Emissions Statement:** Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment.

Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.

No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.